

The DAN Website

Set Up

Operation

&

Maintenance Instructions

Analogue & Digital Inputs

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LOGIN

Once you have successfully logged onto your system on the DAN website, the index can be found across the top of the page, below the blue banner. A detailed explanation of each index item is provided below.

At any time:

1. To return to the 'main' index page, place your cursor over the word 'main' and select 'Index'
2. To move between units in this Group, place your cursor over the word 'main' and select 'Change Member'


IMPORTANT NOTES:

1. When **ANY** change is made to a page it is necessary to scroll to the bottom of the page and click '**submit**' to implement the change. Once accepted by the DAN server you will be required to click '**OK**' to confirm the change.
2. SMS Messages will only be sent if the facility has been activated (refer – communication setup).
3. Any shaded field cannot be changed.
4. The maximum allowable number of characters that may be entered into any SMS message window is 98.



SETTINGS – Analog inputs

The Analog Inputs page is found by passing your cursor over the 'Settings' item and clicking on the drop down for 'Inputs'. The following page will be displayed defaulting to analog input 1. Change inputs on drop down under 'Analog'.

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[Main](#) [Analog](#) [Totalizer](#) [Counter](#) [Derived](#) [Logout](#)

IF YOU MEASURE THE TEMPERATURE WITH PT100 PLEASE ENTER PT100 IN MEASURED VARIABLE TYPE FIELD

Analog Input Setup

DEVICE IDENTIFICATION
SERIAL NUMBER: 04050006 | Demo

INPUT DESCRIPTION
NUMBER: 2
LABEL: Tank 1 level
IN USE: ☒

MEASURED VARIABLE
TYPE: Volume
UNIT: Litres
HIGH: 50000
LOW: 0

TRANSDUCER OUTPUT (INFORMATION ONLY)
TYPE: mA
HIGH: 20
LOW: 4

ALARM/TIME PROFILE ☒ **SELECTED**
[setup alarm/time profile](#) [CLICK HERE TO GO TO ALARM/TIME PROFILE SETUP PAGE](#)

ALARM/CONTROL A
TYPE: HIGH
SET POINT: 48000 CURRENT IN DEVICE
DEAD BAND: 500
DELAY TIME: 10 [SECOND]
WHEN ALARM TRIPS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
TRIP MESSAGE: Tank Level Reached 48Kl
WHEN ALARM RESETS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
RESET MESSAGE: Tank Level Returned Below 48Kl
RELAY OPERATION: ☒ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

ALARM/CONTROL B
TYPE: LOW
SET POINT: 2000 CURRENT IN DEVICE
DEAD BAND: 200
DELAY TIME: 10 [SECOND]
WHEN ALARM TRIPS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
TRIP MESSAGE: Tank Level < 2Kl
WHEN ALARM RESETS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
RESET MESSAGE: Tank Level > 2Kl
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

Submit

SETTINGS – Analog Inputs (Cont'd)

INPUT DESCRIPTION

NUMBER: Ensure the input being detailed here corresponds with the input number on the field unit

LABEL: Identify your input with a name. This name will appear at the top of the report data column.

IN USE: Tick if this input is to appear in the report.

MEASURED VARIABLE

TYPE: Enter the variable being measured with this enter. Note that if a PT100 is connected, "PT100" should be entered here.

UNIT: Enter the units being measured by the probe connected to this input

HIGH: Enter the maximum reading permissible by the probe

LOW: Enter the minimum reading permissible by the probe

TRANSDUCER OUTPUT (INFORMATION ONLY)

TYPE: Enter the type of probe connected

HIGH: Enter the maximum probe output

LOW: Enter the minimum probe output

ALARM/TIME PROFILE: Ticked only if Alarm/Time Profile Activated

Setup Alarm/Time Profile: Refer 'Setup Alarm/Time Profile' below

ALARM/CONTROL A

TYPE: Select either 'HIGH' or 'LOW' alarm/control

SET POINT: Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point downloaded to the field unit.

DEAD BAND: Enter the value by which the set point is to recover before the alarm/control condition is returned to normal

DELAY TIME: Enter the delay (in seconds) which are allowed to elapse during which the alarm condition must continue to be present before it is recognised. (NOTE: Should the alarm condition reset during this period and immediately reoccur, the timer will restart)

WHEN ALARM TRIPS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER UPDATED Tick to keep the server updated only (Must be ticked first before email or SMS notifications may be activated)

TRIP MESSAGE: Script the SMS message to be sent on alarm/control recognition

WHEN ALARM RESETS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER UPDATED Tick to keep the server updated (Must be ticked first before email or SMS notifications may be activated)

RESET MESSAGE: Script the SMS message to be sent on alarm/control reset

RELAY OPERATION: Nominate relays to change state when alarm/control recognised. Nominated relays will return to normal state when alarm/control reset

COMMAND: Tick if counter to be reset on alarm/control recognition

ALARM/CONTROL B

Similarly input all entries for Alarm/Control point B (if required).

NOTE: Either or both alarm/control points may be 'HIGH' or 'LOW'

SPECIAL NOTE


Input 5 may be dedicated to Battery Monitoring if connections are made as shown. Tick the note "2nd STAGE BATTERY POWER ..." toward the top of the page which will provide battery protection in accordance with the settings of ALARM B

SUBMIT

Do not forget to submit changes

SETTINGS – Totalizer

The Totalizer Input page is found by passing your cursor over the 'Settings' item and clicking on the drop down for 'Inputs'. The following page will be displayed. Click on 'Totalizer'.

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[Main](#) [Analog](#) [Totalizer](#) [Counter](#) [Derived](#) [Logout](#)

Totalizer Setup

DEVICE IDENTIFICATION
SERIAL NUMBER: 09090000 | Demo Auto

INPUT DESCRIPTION
NUMBER: 8
LABEL: Accumulator
IN USE: ☐

FLOW TRANSMITTER SCALING
FLOW UNITS: COUNT
FLOW UNIT PER: ☒ Second ☐ Minute ☐ Hour ☐ Day
TOTALIZING CONVERSION FACTOR: 1
CONVERTED FLOW UNIT: 10

TRANSDUCER OUTPUT (INFORMATION FROM INPUT 1)
TYPE: COUNT
HIGH: 200000
LOW: 0

ALARM/TIME PROFILE ☐ SELECTED
[setup alarm/time profile](#) [CLICK HERE TO GO TO ALARM/TIME PROFILE SETUP PAGE](#)

ALARM/CONTROL TOTAL 1
SET POINT: 88400 88400 CURRENT IN DEVICE
WHEN ALARM TRIPS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
TRIP MESSAGE: ALARM A
WHEN ALARM RESETS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
RESET MESSAGE: ALARM A RESET
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

ALARM/CONTROL TOTAL 2
SET POINT: 90000 90000 CURRENT IN DEVICE
WHEN ALARM TRIPS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
TRIP MESSAGE: ALARM B
WHEN ALARM RESETS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
RESET MESSAGE: ALARM B RESET
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

SETTINGS – Totalizer (Cont'd)

The totalizer functions by means of converting the flow meter connected to input No1, averaging the flow each second and adding the result to a totalizer. The total of flow during the reporting period is displayed in a separate column in the search report.

NOTE: When the totalizer is being used, the counter must be set to internal and cannot be used concurrently for external counting.

INPUT DESCRIPTION

NUMBER: There is no input number on the field unit which corresponds with the totalizer. The data generated by the totalizer is a combination of the analogue input from input No1 and the counter operating as a timing device (seconds counter)

LABEL: Identify your input with a name. This name will appear at the top of the report data column.

IN USE: Tick if this input is to appear in the report.

FLOW TRANSMITTER SCALING

FLOW UNITS: Enter the flow units being measured by the flow meter connected to input No 1

FLOW UNITS PER: Enter the time base of the flow meter connected to input No1

TOTALIZING Should the flow units preferred to be displayed on the search report

CONVERSION FACTOR: be different to the units being measured, input the conversion factor here. (e.g. litres to kilolitres, conversion 0.001, also permits conversion of gallons to litres etc using the correct conversion factor)

CONVERTED FLOW UNIT: Enter the units to be displayed on the search report

TRANSDUCER OUTPUT (INFORMATION FROM INPUT 1)

TYPE:) These three fields will be automatically filled with the data already

HIGH:) entered for analog input No1

LOW:)

ALARM/TIME PROFILE: Ticked only if Alarm/Time Profile Activated

Setup Alarm/Time Refer 'Setup Alarm/Time Profile' below

Profile:

ALARM/CONTROL TOTAL 1

TYPE: Select either 'HIGH' or 'LOW' alarm/control

SET POINT: Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point.

WHEN ALARM TRIPS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER Tick to keep the server updated only (Must be ticked first before

UPDATED email or SMS notifications may be activated

TRIP MESSAGE: Script the SMS message to be sent on alarm/control recognition

WHEN ALARM RESETS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER Tick to keep the server updated (Must be ticked first before email

UPDATED or SMS notifications may be activated)

RESET MESSAGE: Script the SMS message to be sent on alarm/control reset

RELAY OPERATION; Nominate relays to change state when alarm/control recognised. Nominated relays will return to normal state when alarm/control reset

COMMAND: Tick if counter to be reset on alarm/control recognition

ALARM/CONTROL TOTAL 2

Similarly enter all entries for Alarm/Control point 2 (if required).

NOTE: Either or both alarm/control points may be 'HIGH' or 'LOW'


SUBMIT

Do not forget to submit changes

SETTINGS – Counter Input

A single counter/internal timer input is found on the DM01 product. Other DAN products have multiple digital inputs with instructions covered on 'SETTINGS - digital Inputs'.

The Counter Input page is found by passing your cursor over the 'Settings' item and clicking on the drop down for 'Inputs'. The following page will be displayed, click on 'Counter'.

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[Main](#) [Analog](#) [Totalizer](#) [Counter](#) [Derived](#) [Logout](#)

Digital Input Setup

DEVICE IDENTIFICATION
SERIAL NUMBER: 09090000 | Demo Auto

INPUT DESCRIPTION
NUMBER: 7
LABEL: Total Counter
IN USE: ☐

MEASURED VARIABLE
TYPE: COUNT
SCALING FACTOR: 1
UNIT: seconds

DIGITAL INPUT SOURCE
EXTERNAL: ☒ EXTERNAL OR INTERNAL SECOND TICKER

COMMAND
RESET COUNTER: ☐

TRANSDUCER OUTPUT (INFORMATION ONLY)
TYPE: Seconds
HIGH: 86400
LOW: 0

ALARM/TIME PROFILE ☐ SELECTED
[setup alarm/time profile](#) [CLICK HERE TO GO TO ALARM/TIME PROFILE SETUP PAGE](#)

ALARM/CONTROL TOTAL 1
SET POINT: 86400 86400 CURRENT IN DEVICE
WHEN ALARM TRIPS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
TRIP MESSAGE: tripmessage
WHEN ALARM RESETS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
RESET MESSAGE: ALARM A RESET
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

ALARM/CONTROL TOTAL 2
SET POINT: 90000 90000 CURRENT IN DEVICE
WHEN ALARM TRIPS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
TRIP MESSAGE: tripmessage
WHEN ALARM RESETS: ☐ SEND E-MAIL ☐ SEND SMS ☐ KEEP SERVER UPDATED
RESET MESSAGE: ALARM B RESET
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

Submit

SETTINGS – Counter (Cont'd)

The counter configuration consists of two parts, a counter that can be re-set, and a gross counter that cannot be re-set. Counts accrued on the re-settable counter are transferred to the gross counter each time the re-settable counter. The counter may be used as an internal seconds counter to time the operation of any of the relays.

INPUT DESCRIPTION

NUMBER: Ensure the input being detailed here corresponds with the input number on the field unit

LABEL: Identify your input with a name. This name will appear at the top of the report data column.

IN USE: Tick if this input is to appear in the report.

MEASURED VARIABLE

TYPE: Enter the variable being measured with this input.

SCALING FACTOR: Enter the number of units above being measured by each progression of the counter (e.g. meter producing one count per five litres = enter 5)

UNIT: Enter the units to be displayed in the search column (e.g. Litres etc)

DIGITAL INPUT SOURCE

EXTERNAL: Tick if using an external counter input. Leave blank if using the internal seconds counter for relay operation or when used in conjunction with the Totalizer

COMMAND:

RESET COUNTER: The re-settable counter may be re-set manually by ticking this input. Once the reset has been completed, the box clears.

TRANSDUCER OUTPUT (INFORMATION ONLY)

TYPE: Enter the output type, normally voltage

HIGH: Enter the transducer maximum output

LOW: Enter the transducer minimum output

ALARM/TIME PROFILE: Ticked only if Alarm/Time Profile Activated

Setup Alarm/Time Profile: Refer 'Setup Alarm/Time Profile' below

ALARM/CONTROL TOTAL 1

WHEN ALARM TRIPS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER UPDATED Tick to keep the server updated only (Must be ticked first before email or SMS notifications may be activated)

TRIP MESSAGE: Script the SMS message to be sent on alarm/control recognition

COMMAND Counter Reset: If ticked, the counter will reset at this point

WHEN ALARM RESETS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER UPDATED Tick to keep the server updated (Must be ticked first before email or SMS notifications may be activated)

RESET MESSAGE: Script the SMS message to be sent on alarm/control reset

RELAY OPERATION; Nominate relays to change state when alarm/control recognised. Nominated relays will return to normal state when alarm/control reset

COMMAND Counter Reset: If ticked, the counter will reset at this point

ALARM/CONTROL TOTAL 2

Similarly enter all entries for Alarm/Control point 2 (if required).

SUBMIT

Do not forget to submit changes

SETTINGS – Digital Inputs

Twelve digital inputs may be found on the DM12 and DE20 products. Each input may be set up as a counter, internal timer or to recognise change of state. Please note the DM01 product has one input with instructions covered under 'SETTINGS – counter input'

The Digital Input page is found by passing your cursor over the 'Settings' item and clicking on the drop down for 'Inputs'. Then pass your cursor over 'Digitals' and click on the group of inputs to be set up '1 to 6' or '7 to 12'. The following page will be displayed.

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[Main](#) [Analogs](#) [Totalizer](#) [Digitals](#) [Derived](#) [Logout](#)

Digital Input Setup DI1 to DI6 (13064001 | Auto)

	DI1	DI2	DI3	DI4	DI5	DI6
IN USE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INPUT TYPE	Counter ▾	Counter ▾	Counter ▾	Counter ▾	Counter ▾	Counter ▾
LABEL	Label	Label	Label	Label	Label	Label
MEASURED VARIABLE						
TYPE	Count	Count	Count	Count	Count	Count
SCALING	1	1	1	1	1	1
UNIT	seconds	seconds	seconds	seconds	seconds	seconds
RESET COUNTER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ALARM/CONTROL A						
SET POINT	20000	20000	20000	20000	20000	20000
CURRENT IN DEVICE	20000	20000	20000	20000	20000	20000
DELAY TIME [SECOND]	0	0	0	0	0	0
WHEN ALARM TRIPS						
KEEP SERVER UPDATED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SEND E-MAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SEND SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WHEN ALARM RESETS						
KEEP SERVER UPDATED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SEND E-MAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SEND SMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RELAY OPERATION						
RELAY 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RELAY 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RELAY 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COUNTER RESET	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ALARM A TRIP MESSAGE						
DI1:	Alarm A Trip			Alarm A Reset		
DI2:	Alarm A Trip			Alarm A Reset		
DI3:	Alarm A Trip			Alarm A Reset		
DI4:	Alarm A Trip			Alarm A Reset		
DI5:	Alarm A Trip			Alarm A Reset		
DI6:	Alarm A Trip			Alarm A Reset		

SETTINGS – Digital Inputs (Cont'd)

ALARM/CONTROL B

SET POINT	30000	30000	30000	30000	30000	30000
CURRENT IN DEVICE	30000	30000	30000	30000	30000	30000
DELAY TIME [SECOND]	0	0	0	0	0	0

WHEN ALARM TRIPS

KEEP SERVER UPDATED ☐

SEND E-MAIL ☐

SEND SMS ☐

WHEN ALARM RESETS

KEEP SERVER UPDATED ☐

SEND E-MAIL ☐

SEND SMS ☐

RELAY OPERATION

RELAY 1 ☐

RELAY 2 ☐

RELAY 3 ☐

COUNTER RESET

☐

ALARM B TRIP MESSAGE

D11: Alarm B Trip
D12: Alarm B Trip
D13: Alarm B Trip
D14: Alarm B Trip
D15: Alarm B Trip
D16: Alarm B Trip

ALARM B RESET MESSAGE

Alarm B Reset
Alarm B Reset
Alarm B Reset
Alarm B Reset
Alarm B Reset
Alarm B Reset

Submit

Each digital input may set up in a number of formats. Each input may be set as a timer, a counter or as an input state change device.

IN USE Tick for each input that is in use

INPUT TYPE Accept for input the way in which it is to be used – ‘counter’, ‘second ticker’ or ‘state change’

LABEL: Identify your input with a name. This name will appear at the top of the report data column.

MEASURED VARIABLE – For Counter Set Up Only

TYPE: Enter the variable being measured with this input.
SCALING: Enter the number of units above being measured by each progression of the counter (e.g. meter producing one count per five litres = enter 5)
UNIT: Enter the units to be displayed in the search column (e.g. Litres etc)
RESET COUNTER: The re-settable counter may be re-set manually by ticking this input. Once the reset has been completed, the box clears.

ALARM/CONTROL A

SET POINT: Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point.

SEND ALARM TRIP SMS: Tick if an SMS is to be sent when the alarm/control is recognised

WHEN ALARM TRIPS

KEEP SERVER UPDATED: Tick to keep the server updated. This step must be selected before selecting email and/or SMS notification.

SEND EMAIL Tick if an EMAIL is to be sent when the alarm/control is activated

SEND SMS Tick if an SMS is to be sent when the alarm/control is activated

SETTINGS – Digital Inputs (Cont'd)

WHEN ALARM RESETS

KEEP SERVER	Tick to keep the server updated. This step must be selected before selecting email and/or SMS notification.
UPDATED:	
SEND EMAIL	Tick if an EMAIL is to be sent when the alarm/control is reset
SEND SMS	Tick if an SMS is to be sent when the alarm/control is reset
RELAY OPERATION:	Nominate relays to change state when alarm/control recognised. Nominated relays will return to normal state when alarm/control reset
COUNTER RESET:	Tick if counter to be reset on alarm/control recognition
ALARM A TRIP	
MESSAGE:	Script the email/SMS message to be sent on alarm/control activated
ALARM A RESET	
MESSAGE:	Script the email/SMS message to be sent on alarm/control reset
TRIP MESSAGE:	Script the SMS message to be sent on alarm/control recognition

ALARM/CONTROL B

SET POINT:	Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point.
SEND ALARM TRIP	
SMS:	Tick if an SMS is to be sent when the alarm/control is recognised

WHEN ALARM TRIPS


KEEP SERVER	Tick to keep the server updated. This step must be selected before selecting email and/or SMS notification.
UPDATED:	
SEND EMAIL	Tick if an EMAIL is to be sent when the alarm/control is activated
SEND SMS	Tick if an SMS is to be sent when the alarm/control is activated
WHEN ALARM RESETS	
KEEP SERVER	Tick to keep the server updated. This step must be selected before selecting email and/or SMS notification.
UPDATED:	
SEND EMAIL	Tick if an EMAIL is to be sent when the alarm/control is reset
SEND SMS	Tick if an SMS is to be sent when the alarm/control is reset
RELAY OPERATION:	Nominate relays to change state when alarm/control recognised. Nominated relays will return to normal state when alarm/control reset
COUNTER RESET:	Tick if counter to be reset on alarm/control recognition
ALARM A TRIP	
MESSAGE:	Script the email/SMS message to be sent on alarm/control activated
ALARM A RESET	
MESSAGE:	Script the email/SMS message to be sent on alarm/control reset
TRIP MESSAGE:	Script the SMS message to be sent on alarm/control recognition

SUBMIT

Do not forget to submit changes

SETTINGS – Derived Solutions

Derived solutions are function results calculated using other inputs. Discuss you needs with DAN for set up. The Derived Solutions Inputs page is found by passing your cursor over the 'Settings' item and clicking on the drop down for 'Inputs'. The following page will be displayed click on 'Derived'.



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Salinity Calculation Setup

DEVICE IDENTIFICATION
SERIAL NUMBER: 04050006 | Demo1

INPUT DESCRIPTION
NUMBER: CALC 1
LABEL: Salinity
IN USE: ☒

MEASURED VARIABLE
TYPE: Salinity
UNIT:
HIGH: 45
LOW: 10

TRANSDUCER OUTPUT (INFORMATION ONLY)
TYPE: mA
HIGH: 20
LOW: 4

ALARM/CONTROL A
TYPE: HIGH
SET POINT: 38.40
DELAY ON TRIP: 40 [MINUTE]
DEAD BAND: 0.40
DELAY ON RESET: 1 [MINUTE]
WHEN ALARM TRIPS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
TRIP MESSAGE: High Alarm On PH
WHEN ALARM RESETS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
RESET MESSAGE: High Alarm Cleared On PH
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

ALARM/CONTROL B
TYPE: LOW
SET POINT: 14.50
DELAY ON TRIP: 5 [MINUTE]
DEAD BAND: 0.50
DELAY ON RESET: 1 [MINUTE]
WHEN ALARM TRIPS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
TRIP MESSAGE: Low Alarm On PH
WHEN ALARM RESETS: ☒ SEND E-MAIL ☒ SEND SMS ☒ KEEP SERVER UPDATED
RESET MESSAGE: Low Alarm Cleared On PH
RELAY OPERATION: ☐ RELAY1 ☐ RELAY2 ☐ RELAY3
COMMAND: ☐ COUNTER RESET

Submit

SETTINGS – Derived Solutions (Cont'd)

Mathematical combinations of inputs may be displayed as a derived function. If the derived function you require is not available, contact DAN for pricing & availability.

IMPORTANT NOTE: Alarm/control points based upon derived solutions are only recognised when the web site receives routine data from the field unit and are derived from that interval data. **They are not instantaneously recognised.** Any delay time should recognise the maximum delay possible between reporting periods.

INPUT DESCRIPTION

NUMBER: Choose the calculation to be performed from the drop down selection found by passing the cursor over 'Derived' item in the index

LABEL: Identify your input with a name. This name will appear at the top of the report data column.

IN USE: Tick if this input is to appear in the report.

MEASURED VARIABLE

TYPE: Enter the variable being measured with this input.

UNIT: Enter the derived units.

HIGH: Enter the maximum derived value.

LOW: Enter the minimum derived value

TRANSDUCER OUTPUT (INFORMATION ONLY)

TYPE: Not Applicable

HIGH: Not Applicable

LOW: Not Applicable

ALARM/TIME PROFILE: Ticked only if Alarm/Time Profile Activated

Setup Alarm/Time Profile: Refer 'Setup Alarm/Time Profile' below

Profile:

ALARM/CONTROL A

TYPE: Select either 'HIGH' or 'LOW' alarm/control

SET POINT: Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point downloaded to the field unit.

DEAD BAND: Enter the value by which the set point is to recover before the alarm/control condition is returned to normal

DELAY TIME: Enter the delay (in seconds) which are allowed to elapse during which the alarm condition must continue to be present before it is recognised. (NOTE: Should the alarm condition reset during this period and immediately reoccur, the timer will restart)

WHEN ALARM TRIPS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER UPDATED Tick to keep the server updated only (Must be ticked first before email or SMS notifications may be activated)

TRIP MESSAGE: Script the SMS message to be sent on alarm/control recognition

WHEN ALARM RESETS:

SEND EMAIL: Tick if an email is to be sent when the alarm/control is recognised

SEND SMS: Tick if an SMS is to be sent when the alarm/control is recognised

KEEP SERVER UPDATED Tick to keep the server updated (Must be ticked first before email or SMS notifications may be activated)

RESET MESSAGE: Script the SMS message to be sent on alarm/control reset

RELAY OPERATION: Nominate relays to change state when alarm/control recognised. Nominated relays will return to normal state when alarm/control reset

COMMAND: Tick if counter to be reset on alarm/control recognition

ALARM/CONTROL B

Similarly input all entries for Alarm/Control point B (if required).


NOTE: Either or both alarm/control points may be 'HIGH' or 'LOW'

SUBMIT

Do not forget to submit changes

SETUP ALARM/TIME PROFILE

The Setup Alarm Time Profile option is available on each input setup page and can be accessed by clicking on the blue 'Setup Alarm/Time Profile' menu. Time profiles will affect that input. The following page will be displayed:



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Analog Input Alarm/Time Profile Setup

DEVICE IDENTIFICATION

SERIAL NUMBER: 04050006 | Demo

LABEL: DO Pond 1

INPUT DESCRIPTION

NUMBER: 1

MEASURED VARIABLE

HIGH: 20

LOW: 0

ALARM/TIME PROFILE

☐ SELECTED

☐ RAMP

CONTROL

[POINT 1]

[POINT 2]

[POINT 3]

[POINT 4]

[POINT 5]

[POINT 6]

DAY NUMBER OFFSET - POPULATE DATE/TIME:

POINT 1

DATE/TIME: 2333-01-01 00:00 [YYYY-MM-DD HH:MM]

ALARM/CONTROL A SET POINT: 4.6

ALARM/CONTROL A DEAD BAND: 1

ALARM/CONTROL B SET POINT: 9.3

ALARM/CONTROL B DEAD BAND: 1

POINT 2

DATE/TIME: 2333-01-01 00:00 [YYYY-MM-DD HH:MM]

ALARM/CONTROL A SET POINT: 4.6

ALARM/CONTROL A DEAD BAND: 1

ALARM/CONTROL B SET POINT: 9.3

ALARM/CONTROL B DEAD BAND: 1

POINT 3

DATE/TIME: 2333-01-01 00:00 [YYYY-MM-DD HH:MM]

ALARM/CONTROL A SET POINT: 4.6

ALARM/CONTROL A DEAD BAND: 1

ALARM/CONTROL B SET POINT: 9.3

ALARM/CONTROL B DEAD BAND: 1

POINT 4

DATE/TIME: 2333-01-01 00:00 [YYYY-MM-DD HH:MM]

ALARM/CONTROL A SET POINT: 4.6

ALARM/CONTROL A DEAD BAND: 1

ALARM/CONTROL B SET POINT: 9.3

ALARM/CONTROL B DEAD BAND: 1

POINT 5	
DATE/TIME:	2333-01-01 00:00 [YYYY-MM-DD HH:MM]
ALARM/CONTROL A SET POINT:	4.6
ALARM/CONTROL A DEAD BAND:	1
ALARM/CONTROL B SET POINT:	9.3
ALARM/CONTROL B DEAD BAND:	1
POINT 6	
DATE/TIME:	2333-01-01 00:00 [YYYY-MM-DD HH:MM]
ALARM/CONTROL A SET POINT:	4.6
ALARM/CONTROL A DEAD BAND:	1
ALARM/CONTROL B SET POINT:	9.3
ALARM/CONTROL B DEAD BAND:	1
<input type="button" value="Submit"/>	

SETUP ALARM/TIME PROFILE (Cont'd)

ALARM/TIME PROFILE: CONTROL

Select if required by placing a tick in the window

Step profile is automatically selected. (The set point changes once at the end of each point (or period).

Tick window if 'ramp' change is required (The web site calculates the new set point for each reporting period and downloads each new set point each time the field unit reports).

DAY NUMBER OFFSET – POPULATE DATE/TIME (POINTS 1 TO 6)

To facilitate date entry for each successive point of change, enter the number of the day on which each set point is to change with today being day '0', tomorrow day '1' and so on. Note the relevant dates will appear in each of the POINT windows below.

POINT 1

DATE/TIME:

Either enter the date automatically as above or manually in the format required. Note when entering dates automatically, time is repeated each day as current time of entry each day. Time may be altered manually if required.

ALARM/CONTROL A SET POINT:

Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point.*

ALARM/CONTROL A DEAD BAND

Enter the value by which the set point is to recover before the alarm/control condition is returned to normal

ALARM/CONTROL B SET POINT:

Enter the value at which the alarm/control is to be recognised. If the alarm/time profile has been activated the shaded area will display the current set point.*

ALARM/CONTROL B DEAD BAND

Enter the value by which the set point is to recover before the alarm/control condition is returned to normal

SUBMIT

Do not forget to submit changes

* Current set points are displayed on the input page for that input