TAC Xenta OP

Operator Panel

TAC Xenta OP is a small operator panel designed to be used with the TAC Xenta 100, 300 or 400 units. It has an LCD display with 4x20 characters and six push buttons.

TAC Xenta OP/RU can also display Cyrillic characters. TAC Xenta OP is connected via a modular jack situated on the rear of the unit. Both communication and power supply are handled by this cable. TAC Xenta OP may also be connected directly to the network, using the screw terminals.

The LCD display may be backlit.

The operator panel allows access to the parameters and makes it possible to list alarms without communicating with a central system. Additionally, it is used to monitor status, adjust setpoints and time channels. All values are displayed with an explanatory text in the alphanumeric display.

The operator panel can be placed on the TAC Xenta units, mounted on a cabinet front or used as a hand-held terminal.

TECHNICAL DATA

Supply voltage (from TAC Xenta or external source)
. . . . .24 V AC ±20%, 50/60 Hz
. . . . or 20–40 V DC
Power consumption. . . . . max. 0.5 W
  With the display backlight on, in total . . . . max 1.2 W
Transformer sizing . . . . 3 VA

Ambient Temperature
Storage . . . . –20 °C to +50 °C (–4 °F to +122 °F)
Operation . . . .±0 °C to +50 °C (+32 °F to +122 °F)
Humidity . . . . max. 90% RH non-condensing

Mechanical
Enclosure. . . . . .ABS/PC
Dimensions . . . . .see diagram
Weight (including package). . . . . 0.4 kg (0.88 lb)
Panel cutout . . . . .136 x 91.5 mm (5.4 x 3.6 in)
Enclosure rating:
  Hand-held panel . . . . IP 20
  Cabinet mounted . . . . IP 43
Network communication . . . . .TP/FT-10, 78 kbps
Communication protocol . . . . LonTalk
Flammability class, materials . . . . .UL 94 5VB

Unit Connection
TAC Xenta 100 . . . . .via modular jack on Wall Module
TAC Xenta 300 . . . . modular jack or screw terminal
TAC Xenta 400 . . . . modular jack or screw terminal

Agency Compliances

Emission:
  CE . . . . .EN 61000-6-3, C-Tick, FCC Part 15
Immunity:
  CE . . . . EN 61000-6-1
Safety:
  CE . . . . .EN 61010-1
  UL 916, C-UL US . . Enclosed Energy Management Equipment
RoHS directive. 2002/95/EG

Part Numbers
Operator terminal TAC Xenta OP 007309072
Operator terminal TAC Xenta OP/RU 007309231
Mounting kit panel TAC Xenta OP 007309040

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OPERATOR PANEL

Values can be read and/or altered from the operator panel (see fig. 1). The operator panel can be mounted on the front of the controller, on a cabinet front or used as a hand held panel.

All values are displayed with explanatory texts. Finding and altering a setting requires a minimum of key operations since all values are arranged in logical order.

Authorization check

The system manager may choose to use an access code to limit access to the program.

List of contents

The TAC Xenta controller's program functions are presented as a list of contents, with the most common daily functions at the top (see figure below).

The operator steps up and down in the list by means of the arrow buttons.

```
AHU2 Air_Handler_2
Temperatures
Time program
Alarm
```

IDs

(The top line of the list of contents displays the current unit's full ID together with a short four letter ID which is shown in all displays. To change object (AHU, boiler etc.), press "Home" and select a new object in the presented list.

To select and show a function

The function of the upper line in the list of contents is shown when pressing the "Enter" button. The displayed data are dynamically updated.

```
AHU2   Temperatures
  Room temp  AHU2-T1
Measured temp 19,7°C
     Setpoint 20,0°C
```

To show the next/previous function, press the arrow buttons. To return to the list of contents just press the "Home" button.

To alter a value

The operator can move the cursor between the alterable values with the "Enter" button. The value can then be increased, decreased or toggled by means of the "+" or "−" buttons. The arrow buttons are used to present the next/previous function.

"HOME"
- Step up one level in the menu hierarchy

"ENTER"
- Select the marked line
- Move between values and confirm alteration

- Move up in the list

- Decrease value
- Toggle

- Increase value
- Toggle

- Move down in the list

Figure 1

```
AHU2  Week Schedule
               1234567
08:00-12:00   MTWTF
13:00-17:00   MTWTF
```

Example:
When adjusting the week schedule, the cursor can be moved between On time (08:00), Off time (12:00), and Day IDs (Monday, Tuesday etc.).

FUNCTIONS

Some examples of functions that are available on the TAC Xenta OP:

- Select and display Groups and individual Xenta controllers

- Display values and status indicators

INSTALLATION

The operator panel is either mounted onto the TAC Xenta unit by means of the snap-in connector, or flush-mounted in the cabinet front or used as a hand-held terminal.

When connecting the operator panel there are two alternatives:

1. Use the modular jack on the front of the TAC Xenta and on the back of the OP. This requires a special cable, for both power supply and communication. Such a cable (about 1.5 m or 4.9 ft.) is included. If another cable is used, its length should not exceed 10 m (33 ft.).

2. If the connection is done to the comms line, use the screw terminals on the back of the OP, labelled 1-4. Terminals 1 and 2 are used for communication and terminals 3 and 4 for 24 V AC or DC. The polarity is important only for the DC connection.

– List and acknowledge alarms
– Set week charts and holidays
– Set date and time

If the correct access code has been entered more functions are accessible, for example:

– Modify control parameters
– Change access code
– Manual control
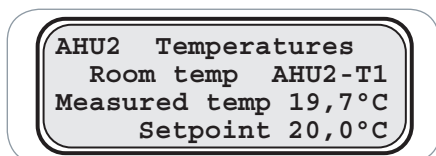– Set daylight saving time
– Initiate supervisory system test dial-up

If no changes have been made within 5 minutes, the operator will be logged off and the access level returned to the default access level low.

TAC Xenta 300/400 controller

Socket for TAC Xenta OP
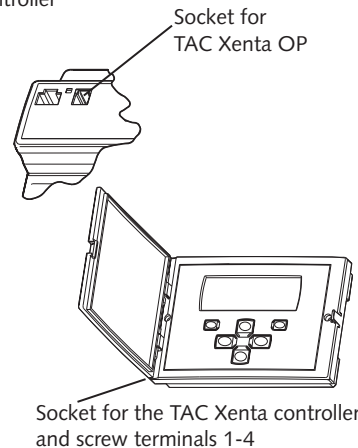
Socket for the TAC Xenta controller and screw terminals 1-4

Figure 2

Recommended cable type and length for the communication: please refer to the TAC Xenta Network guide.

LONMARK 3.3

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