



TAC Xenta® OP

Operator Panel

4 Sep 2002



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 $\pm 20\%$, 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 to 50 °C (-4 to 122 °F)
 Operation 0 to 50 °C (32 to 122 °F)

Humidity max. 90% RH non-condensing

Display 4x20 characters, alphanumeric

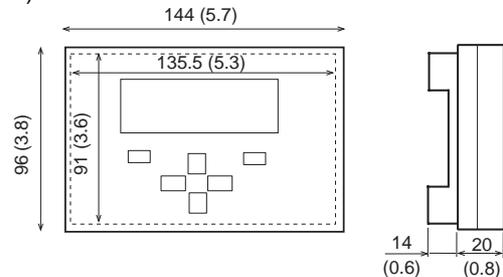
Mechanical:
 Enclosure ABS/PC
 Dimensions see diagram
 Weight (including package) 0.4 kg (0.88 lbs)
 Panel cutout 136 x 91.5 mm (5.4 x 3.6 in)

Enclosure rating:
 Hand-held panel IP 20
 Cabinet mounted IP 43

Network communication TP/FT-10, 78 kbps
 Communication protocol LON^{TALK}

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

mm (in.):



Agency Compliances:

Emission C-Tick, EN 50081-1, FCC Part 15
 Immunity EN 50082-1

Safety:

CE EN 61010-1
 UL 916 Energy Management Equipment
 ETL listing UL 3111-1, first edition
 CAN/CSA C22.2 No. 1010.1-92
 Flammability class, materials UL 94 V-0

Part number:

Operator terminal TAC Xenta OP 0-073-0907
 Operator terminal TAC Xenta OP/RU 0-073-0923
 Mounting kit panel TAC Xenta OP 0-073-0904



OPERATOR PANEL

Values can be read and/or altered from the operator panel (see figure 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.



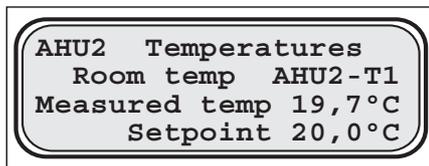
Figure 1

IDs

The top line of the list of contents displays the current unit's full ID together with a short 4-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.

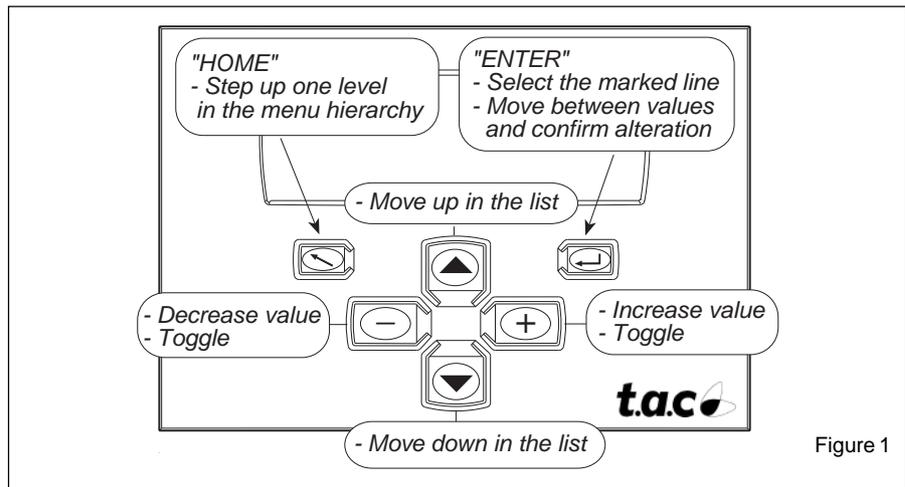


To show the next/previous function, press the arrow buttons.

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.



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 (Monday, Tuesday etc.).

- Display values and status indicators
- 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.

FUNCTIONS

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

- Select and display Groups and individual Xenta controllers

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.

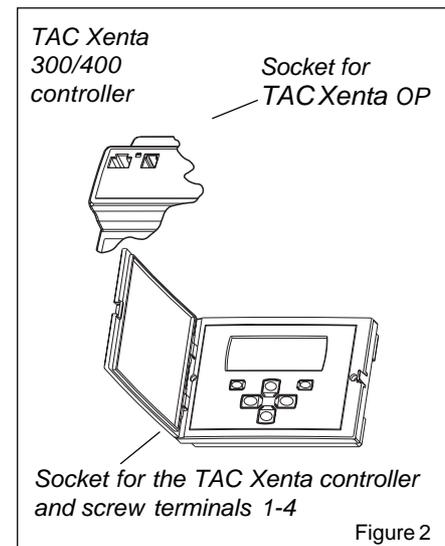


Figure 2

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