



TAC OP7

Operator Panel

The TAC OP7 is a small but powerful operator panel designed to be used with all models of the TAC Xenta 700 series of controllers. It has an LCD display, 240x160 pixels, with up to eight lines; four function buttons, four navigation buttons and one general purpose wheel. The LCD display is backlit.

The OP7 is connected to Xenta 700 via an adapter that provides the power and the communication interface.

The operator panel allows access to control parameters and makes it possible to view and acknowledge alarms. Additionally, it is used to monitor signal values, display trend graphs, adjust setpoints and time channels. All values are displayed with their name and unit, and the trend curve display has zoom and pan facilities.

The TAC OP7 can be mounted in a cabinet door using the remote mounting kit, or hung on any flat, vertical surface using the wall mounting kit. In both cases OP7 can be easily detached and used as a hand-held terminal.

TECHNICAL DATA

Supply voltage (from the OP7 Adapter Xenta 700)

..... 10 V DC $\pm 20\%$

Power consumption..... max. 1 W

Transformer sizing (OP7 Adapter Xenta 700)..... 3 VA

Ambient Temperature

Operation..... $-10\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ ($+14\text{ }^{\circ}\text{F}$ to $+140\text{ }^{\circ}\text{F}$)

Storage..... $-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$ ($-13\text{ }^{\circ}\text{F}$ to $+158\text{ }^{\circ}\text{F}$)

Humidity..... IEC 68-2-3, 5: up to 95% RH non-condensing

Mechanical

Enclosure..... ABS/PC

Dimensions..... see Fig. 1

Cabinet door cutout..... 105 x 116 mm (4.13 x 4.57 in.)

Enclosure rating:

Hand-held panel..... IP 20

Cabinet mounted..... IP 54

Cabinet mounted with covering door..... IP 65

Weight..... 0.15 kg (0.33 lb.)

Unit connection

Xenta 700..... via modular jack on the OP7 adapter

Agency Compliances

Environment protection..... UL508C

Electrostatics discharge..... IEC 1000-4-2

Radiated EM field..... IEC 1000-4-3

Transient burst..... IEC 1000-4-4

Surge immunity..... IEC 1000-4-5

Immunity conducted radio frequency..... IEC 1000-4-6

Emission..... CISPR 11, Class A /EN55011, Class A, EN55022

C-tick..... C-tick N1831

RoHS directive..... 2002/95/EG

Supported characters

Pan-European character set..... WGL4

Part Numbers

TAC OP7 (mounting 1, 2, and 3; see next page) . . . 007309270
which includes, in addition to the operator panel:

RJ45 female/female adapter. 3261217000

Remote cables 2 RJ45 conn. 3 m 3261218000

OP7 Adapter Xenta 700 (includes CPU cable) 007309280

Remote mounting kit IP 54 (mounting 1) 3261214000

Door IP 65 (mounting 1) 3261215000

OP7 Wall mounting kit (mounting 2) 007309290

Remote cables 2 RJ45 conn. 1 m 3261216000

Remote cables 2 RJ45 conn. 5 m 3261219000

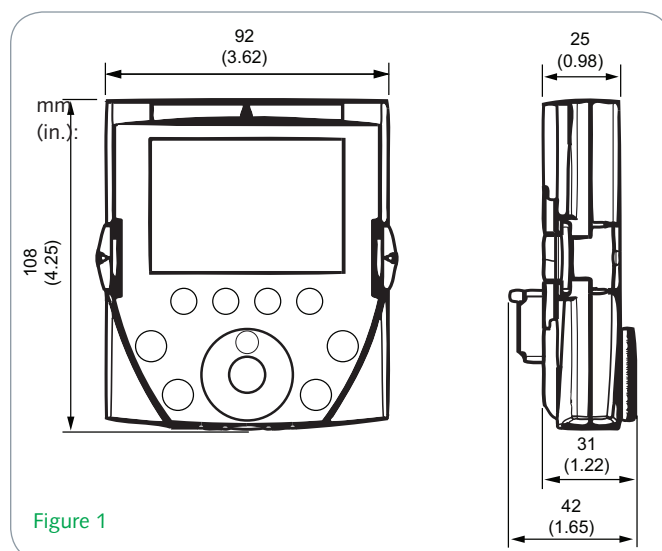
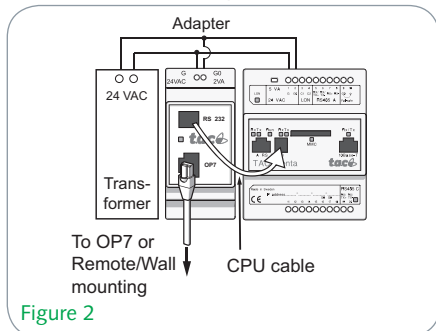


Figure 1

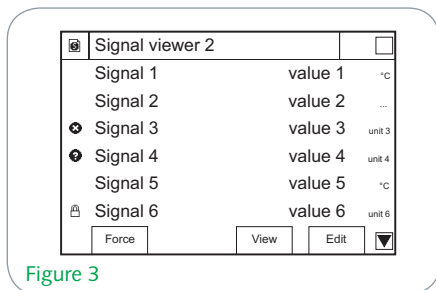
OP7, XENTA 700 AND XBUILDER

The operator panel is connected to Xenta 700 via an adapter (see figure 2).



The OP7 mirrors the web contents of Xenta 711/731, and the simulated web contents of Xenta 701/721, as an end-user web is not provided in these models.

XBUILDER is used to program the Xenta 700. XBUILDER will also mirror the contents of the Xenta 700 web for the TAC OP7.

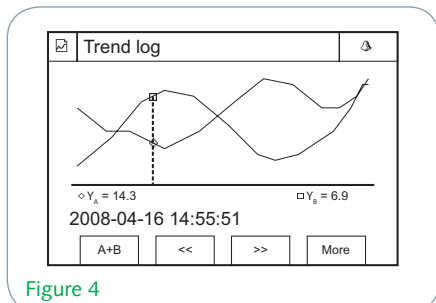


The OP7 mirror of the web includes:

- Value pages (figure 3)
- Alarm viewers
- Time Schedule viewers
- Trendlog viewers (figure 4)

Additionally, the OP7 contains:

- Additional Value pages, listing all System Variables
- Additional Value pages, listing all Variables
- Additional Value pages, listing all Xenta 400 I/O signals (for the root user only)



ADDITIONAL FUNCTIONS

Multiple OP7 users can be defined. In this way different user categories can be given access to different parts and functions of the system.

Access rights for individual users can be set for each folder of the web.

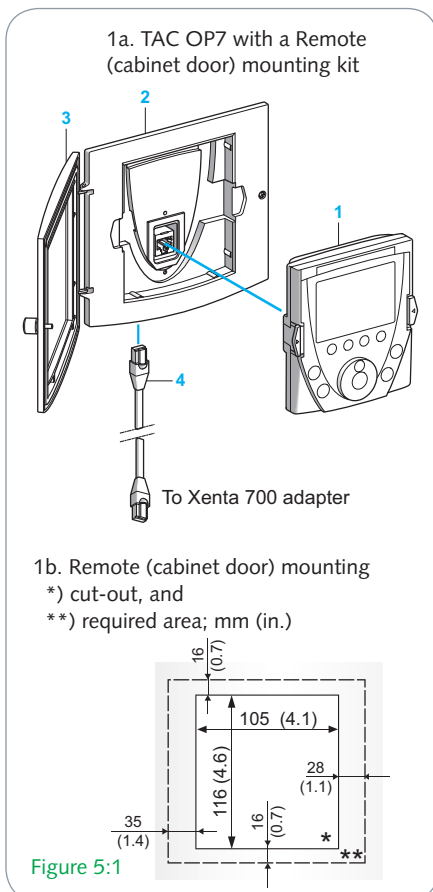
A set of shortcuts to the OP7 content entries can also be specified for each user. This greatly facilitates navigation to the most common tasks.

MOUNTING

The operator panel can be mounted in one of two types of holder (figure 5:1 and 5:2). In both cases the OP7 (1) can easily be removed and used as a handheld terminal (figure 5:3).

1. Remote (cabinet door) mounting

Fix the Remote mounting kit (2) in a cabinet door cut-out. The optional hinged cover (3) will give added protection from IP 54 to IP 65. The Remote cable (4), supplied with the OP7, is used to connect the holder to the Xenta 700 adapter (fig. 2).



Every user has an optional, personal password.

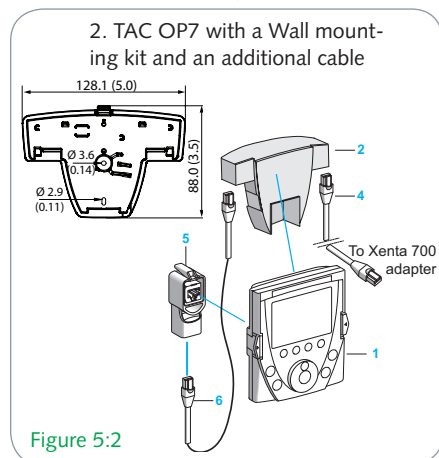
The wheel is used for easy navigation and to alter values.

If no changes are made within 5 minutes, the operator is logged off and the default page displayed.

There are functional tests for the keyboard, display, and the controller communication.

2. Wall mounting

Put the Wall mounting kit (2) on any flat, vertical surface and use it as a convenient holder for the OP7. The Remote cable (4) and the RJ45 female/female adapter (5) are supplied with the OP7. An additional remote cable (6) is required.



3. Handheld terminal

To use the OP7 as a handheld terminal you must have a cable (4 or 6) and an RJ45 female/female adapter (5), to connect it to:

- a Xenta 700 adapter (fig. 2)
- the remote (cabinet door) holder or
- the wall mounted holder.

