

# Quantec-Pro Core Controller

Part No. **QP901**



## Overview

- Supplies power to and controls C-TEC's next generation Quantec-Pro Call System.
- Monitors all network devices and manages the routing and distribution of all calls.
- Can accommodate up to 255 editable 24 character place names.
- Provides connections for network wiring, standby batteries, a laptop (for system programming via our QP907 tools) and optional paging/DECT equipment.
- Optional QTS2/5 Quantec Surveyor2 IoT Card available to facilitate access to C-TEC's powerful [Surveyor2](#) data management software.
- Accommodates up to 16 Zone and 16 Group equations (compared to 8 on a standard Quantec system).
- Can be semi-flush mounted using an QT385 bezel or fully-flushed using a BF359/3S stainless steel enclosure.
- System wiring requires one or more QT603 network splitters.
- Wiring should be made in a spine and limb arrangement using 1.5 to 2.5mm<sup>2</sup> T&E (spines) and 4 to 8 core stranded security cable (limbs).
- Please note the QP901 does NOT function as a standard Corridor Display when not being used for programming. If it is located in an area where you want to be made aware of incoming calls such as a nursing station, a separate Quantec-Pro Corridor Display will be required.



## More Information

## Technical Specifications



|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Mains supply                     | 230V 50/60Hz.                                                                                                                  |
| Mains rated current              | 0.68 A.                                                                                                                        |
| Internal power supply            | 27Vdc nominal.                                                                                                                 |
| Total output current limited to  | 2.5A @ 230Vac (2.5A battery only with mains off).                                                                              |
| Quiescent current                | 100mA @ 24V                                                                                                                    |
| Max battery size and type        | 2 x 12V 7Ah VRLA connected in series.                                                                                          |
| Open collector outputs           | 5 Call outputs (1 = standard, 2 = help required, 3 = emergency, 4 attack, 5 cardiac), Fault output.                            |
| Other outputs                    | 24V Aux. Power (19.5V min, 28V max). Protected by a resettable fuse. Max. current 100mA.                                       |
| PC connection                    | CONN1 provides an RS232 connection for use with our Quantec Surveyor data management software (via a PC) or a Quantec Printer. |
| Indicators                       | 2 line x 40 character backlit display; Power LED (lit when power is present, off when no power present).                       |
| Controls                         | Accept (A); Scroll Up; Scroll Down; Code Entry Buttons (1, 2, 3 and 4); Escape (E).                                            |
| Connections                      | Plug-on type, largest acceptable conductor size 1mm <sup>2</sup> .                                                             |
| Expansion connections            | CONN2 provides an RS232 connection for paging equipment.                                                                       |
| Product dimensions (mm)          | 410 W x 250 H x 80 D mm (base); 439 W x 274 H x 7 D mm (lid).                                                                  |
| Construction & finish            | Metal base, plastic lid.                                                                                                       |
| IP Rating                        | IP30.                                                                                                                          |
| Weight                           | 3.5Kg.                                                                                                                         |
| Operating conditions/temperature | -5°C to +40°C. Max relative humidity: 95%.                                                                                     |



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