i-on160EX Expandable 160 zone control panel

PD6662:2010 and BS8243:2010 compliance. Independently approved to the EN standards EN50131-3:2009

Decimal expansion system
The new expanders have 10 zones (30 radio zone option available) in addition to the 10 zones on the end station. Zone identification on expanders is now considerably easier.

Performance bus
Installers can fit up to a total of 45 devices on to the i-on160EXKP bus enabling far greater and more flexible expansion than any other panel on the market.

Semi-auto addressing
Prevents address duplication for bus mounted devices, saving hours of installation diagnostic time.

Audible bus device tracing
Enables an installer to locate any bus device quickly and easily; reducing the time taken to complete maintenance and service calls.

At a glance...

- Webserver built-in
- ARD fully supports remote servicing
- Upload/Download compatible
- Can accommodate two 17 Ah batteries
- Four outputs (Two clean contact relay, two transistorised)
- 16 communication outputs
- Ten FSL zones, expandable to 160

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Product compatibility: Version 4 software

Compliance	PD6662:2010, EN50131-1:2006 and A1:2009 Grade 2 or 3 and environmental class 2 EN50131-3:2009, EN50131-6:2008, BS8243:2010
Zones	10 on board, expandable to 160, all fully programmable
Bus devices	Accepts up to 45 bus devices (of which 1 must be a keypad)
Proximity reader	The wired and wireless keypads contain a proximity reader as standard (Except the KEY-K01)
Partitions	20 independent partitions or full set and three part sets
Event log	2000 events; 1,500 mandatory events and 500 non-mandatory events
Users	Up to 500 users with 4 or 6 digit user codes, with the option for each user to add a proximity tag, radio remote control* and radio panic button*
Internal sounder	Panel: Two independently controlled 16 Ω speakers Wired expander: one independently controlled 16 Ω speaker Radio expander: one independently controlled 16 Ω speaker
Outputs	Panel: Bell and strobe, two relay outputs, two 500mA open collector programmable outputs, 16 communications low-current outputs Radio expander: Eight radio outputs Wired expander: 4 x 100mA, open collector programmable outputs
Remote communications	i-on footprint for connection of a range of alarm communications modules as described below
Configurations options	Cooper Downloader via USB IP or plug-on comms module, web browser via built in Ethernet port
Power supply	3Amps, conforms to EN50131-6 Type A power supply, rated power output 1.1Amps whilst charging two 17Ah batteries
Battery	Accepts two 12v standby batteries up to 17Ah rechargeable lead acid, gel type. Independently charged and monitored
Dimensions	Panel: 427 x 400 x 101mm Keypad: 115 x 156 x 34mm Expander: 230 x 144 x 44mm
Weight	Panel: 6Kg Keypad: 0.26Kg Expander: 0.42Kg
Temperature range	Environmental class 2 -10°C to 55°C @ 0-93% RH

*Requires radio expander EXP-R10 or EXP-R30

Product codes

i-on160EXKP	Panel end station	Single ended station and keypad
i-KP01, KEY-K01, KEY-KP01, KEY-KPZ01	Wired keypad	Elegant and easy to use keypad with large display and navigation key
KEY-EP (External Reader)	External Proximity reader	A compact external proximity reader for use when setting and unsetting the system
i-RK01	Wireless keypad	Radio keypad for setting and unsetting with built in proximity reader
i-FB01	Remote control	4 button radio remote control
EXP-W10, EXP-WCC	Wired CC 10 zone expander	Add 10 wired zones and up to 4 wired outputs, uses new i-on bus system and features audible bus device tracing.
EXP-R10	Radio 10 zone expander	Add 10 radio zones and up to 8 radio outputs, uses new i-on bus system and features audible bus device tracing. Can be used as a gateway for radio HUA's and remote controls
EXP-PSU	Smart power supply	Bus mounted 3A power supply with up to 10 wired zones and 20 outputs, features audible bus device tracing
EXP-R30	Radio 30 zone expander	Add 30 radio zones and up to 8 radio outputs, uses new i-on bus system and features audible bus device tracing. Can be used as a gateway for radio HUA's and remote controls
i-DIG02	Digital communicator	Plug on digital communicator
i-SD02	Plug-in SD/comms module	Plug on speech dialler and digital communicator
ADSL01	ADSL filter	Essential for a broadband enabled phone line
i-GSM02	GSM dialler	GSM digital communicator/speech dialler
i-RC01	4 relay board	Converts transistorised outputs to relays

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