

# i-on160EX Expandable 160 zone control panel



PD6662:2017 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...

- Webservice 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

## Product compatibility: Version 4 software

<b>Compliance</b>	PD6662:2017, EN50131-1:2006 and A1:2009 Grade 2 or 3 and environmental class 2 EN50131-3:2009, EN50131-6:2008, BS8243:2010
<b>Zones</b>	10 on board, expandable to 160, all fully programmable
<b>Bus devices</b>	Accepts up to 45 bus devices (of which 1 must be a keypad)
<b>Proximity reader</b>	The wired and wireless keypads contain a proximity reader as standard (Except the KEY-K01)
<b>Partitions</b>	20 independent partitions or full set and three part sets
<b>Event log</b>	2000 events; 1,500 mandatory events and 500 non-mandatory events
<b>Users</b>	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
<b>Internal sounder</b>	Panel: Two independently controlled 16 Ω speakers Wired expander: one independently controlled 16 Ω speaker Radio expander: one independently controlled 16 Ω speaker
<b>Outputs</b>	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
<b>Remote communications</b>	Footprint for connection of a range of alarm communications modules as described below
<b>Configurations options</b>	Cooper Downloader via USB, IP or plug-on comms module, web browser via built in Ethernet port
<b>Power supply</b>	3Amps, conforms to EN50131-6 Type A power supply, rated power output 1.1Amps whilst charging two 17Ah batteries
<b>Battery</b>	Accepts two 12v standby batteries up to 17Ah rechargeable lead acid, gel type. Independently charged and monitored
<b>Dimensions</b>	Panel: 427 x 400 x 101mm Keypad: 128 x 128 x 29mm Expander: 230 x 144 x 44mm
<b>Weight</b>	Panel: 6kg Keypad: 0.19kg Expander: 0.42kg
<b>Temperature range</b>	Environmental class 2 -10°C to 55°C @ 0-93% RH

## Compatible products

<b>i-on160EXKP</b>	Panel end station	<b>XCELWPT</b>	Wired pet tolerant PIR
<b>i-KP01, KEY-K01, KEY-KP01, KEY-KPZ01</b>	Wired keypad	<b>734r</b>	Radio door contact
<b>KEY-EP (External reader)</b>	External proximity reader	<b>DET-RSMOKE</b>	Radio smoke detector
<b>i-RK01</b>	Wireless keypad	<b>738r</b>	Radio shock sensor
<b>i-FB01</b>	Remote control	<b>739r</b>	Radio break glass detector
<b>EXP-W10</b>	Wired CC 10 zone expander	<b>710r</b>	Radio panic button
<b>EXP-R10</b>	Radio 10 zone expander	<b>09040-UK-00</b>	Extension speaker
<b>EXP-PSU</b>	Smart power supply	<b>726r</b>	Radio panic button
<b>EXP-R30</b>	Radio 30 zone expander	<b>DET-RDCS</b>	Radio shock detector and magnetic contact
<b>i-DIG02</b>	Digital communicator	<b>DET-RARB</b>	Radio assistance required button
<b>i-SD02</b>	Plug-in SD/comms module	<b>706r</b>	Radio lone worker button
<b>ADSL01</b>	ADSL filter	<b>FOB-2W-4B</b>	Two way radio fob
<b>i-GSM02</b>	GSM dialler	<b>762r</b>	Radio receiver
<b>i-RC01</b>	4 relay board	<b>768r</b>	Radio receiver
<b>760ES</b>	Radio siren	<b>WDC02</b>	Wired door contact
<b>XCELR</b>	Radio PIR	<b>PK5</b>	Proximity tags
<b>XCELRPT</b>	Radio pet tolerant PIR		
<b>XCELW</b>	Wired PIR		

Radio peripheral require EXP-R10 or EXP-R30