

# i-on50EXD Expandable 50 zone control panel



PD6662:2017 and BS8243:2010  
compliant Independently approved to  
EN standards EN50131-3:2009

[Feature-packed to deliver you real benefits](#)

**Performance bus** - fit up to 20 bus devices: expanders, keypads or power supplies.

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

**Decimal Expansion** - expanders have 10 zones in addition to the 10 zones on the end station. Zone identification on expanders is now considerably easier.

[Simple to service](#)

**Audible bus device tracing** - locate any bus device quickly and easily. Reduce the time taken to complete maintenance and service calls.

[Reliable and easy to use](#)

Built on the i-on platform with thousands of panels installed.

## At a glance...

- Ten FSL zones on board, expandable to 50
- Includes web server and supports downloader
- On-board communicator
- Three panel outputs, including one single clean contact relay on board
- 16 digital plug-by outputs
- Supports up to 17 Ah battery

## Product specification

<b>Compliance</b>	PD6662:2017, EN50131-3:2009 and EN50131-6:2008 Grade 2 or 3 and environmental class 2 EN50131-3:2009, EN50131-6:2008, BS8243:2010
<b>Zones</b>	10 on board, expandable to 50, all fully programmable
<b>Bus devices</b>	Accepts up to 20 bus devices (keypads, expanders and power supplies)
<b>Proximity reader</b>	The wired and wireless keypads contain a proximity reader as standard, except KEY-K01
<b>Partitions</b>	5 independent partitions each with a part set or full set and three part sets
<b>Event log</b>	750 events; 500 mandatory events and 250 non-mandatory
<b>Users</b>	Up to 100 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: one independently controlled 16 $\Omega$ speaker Wired expander: one independently controlled 16 $\Omega$ speaker Radio expander: one independently controlled 16 $\Omega$ speaker
<b>Outputs</b>	Panel: One programmable relay outputs, two 500mA open collector programmable outputs, 16 low-current outputs for plug-by communicators Radio expander: Eight radio outputs Wired expander: 4 x 100mA, open collector programmable
<b>Remote communications</b>	i-on 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>	1.5A, conforms to EN50131-6 Type A power supply, rated power output 750mA whilst charging one 17Ah battery
<b>Battery</b>	Accepts one 12v standby battery up to 17Ah rechargeable lead acid, gel type.
<b>Dimensions</b>	Panel: 320 x 400 x 98mm Keypad: 115 x 156 x 34mm Expander: 230 x 144 x 44mm
<b>Weight</b>	Panel: 4.9Kg Keypad: 0.26Kg Expander: 0.42Kg
<b>Temperature range</b>	Environmental class 2 -10°C to 55°C @ 0-93% RH

\*Requires radio expander EXP-R10 or EXP-R30

## Product codes

<b>i-on50EXDKP</b>	Panel end station	Single end station with on board digi-modem (with keypad)
<b>i-KP01, KEY-K01, KEY-KP01, KEY-KPZ01</b>	Wired keypad	Elegant and easy to use keypad with large display and navigation key
<b>KEY-EP (External Reader)</b>	External Proximity reader	A compact external proximity reader for use when setting and unsetting the system
<b>i-RK01</b>	Wireless keypad	Radio keypad for setting and unsetting with built in proximity reader
<b>i-FB01</b>	Remote control	4 button radio remote control
<b>EXP-W10, EXP-WCC</b>	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.
<b>EXP-PSU</b>	Smart power supply	Bus mounted 3A power supply with up to 10 wired zones and 20 outputs, features audible bus device tracing
<b>EXP-R10</b>	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
<b>EXP-R30</b>	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
<b>i-DIG02</b>	Digital communicator	Connect to central station or send SMS messages to phone numbers of your choice
<b>i-SD02</b>	Plug-in SD/comms module	Plug on speech dialler and digital communicator
<b>ADSL01</b>	ADSL filter	Essential for a broadband enabled phone line
<b>i-GSM02</b>	GSM dialler	GSM digital communicator/speech dialler
<b>i-RC01</b>	4 relay board	Converts transistorised outputs to relays

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