



DTA4 - 4 Channel DTA/Assistance Call Controller



Introduction

The DTA4 is a standalone 4 Channel DTA Kit / Assistance Call Controller compatible with the full range of Baldwin Boxall DTA Kit and Assistance Call components (please see DTA Kit and Assistance Call installation instructions available at www.baldwinboxall.co.uk for installation details of these products).

Installation

In order to meet the requirements of BS 8300 DTA Kits should be installed as shown in Figure 1

90-265V AC 50/60Hz Mains Power for the DTA4 should be provided by an accessible 3A Fused Switched Spur via suitable rated cable. If more channels are required a maximum of 10 DTA4's can be daisy chained via the "Mains Input" and "Mains Output" connections (see Figure 3).

The DTA4 should be installed in a suitable double gang back box located in an accessible manned area.

Connections to DTA Kits or Assistance Call components should be made via the DTAKIT A&B connections as shown in Figure 2.

If an external beacon or sounder is required this should be connected to the relay output P3 (MAX 48V 1A). This relay activates when an incoming call is detected and de-activates when a call is acknowledged or reset.

Figure 1- BS 8300 Compliant DTA Kit Installation

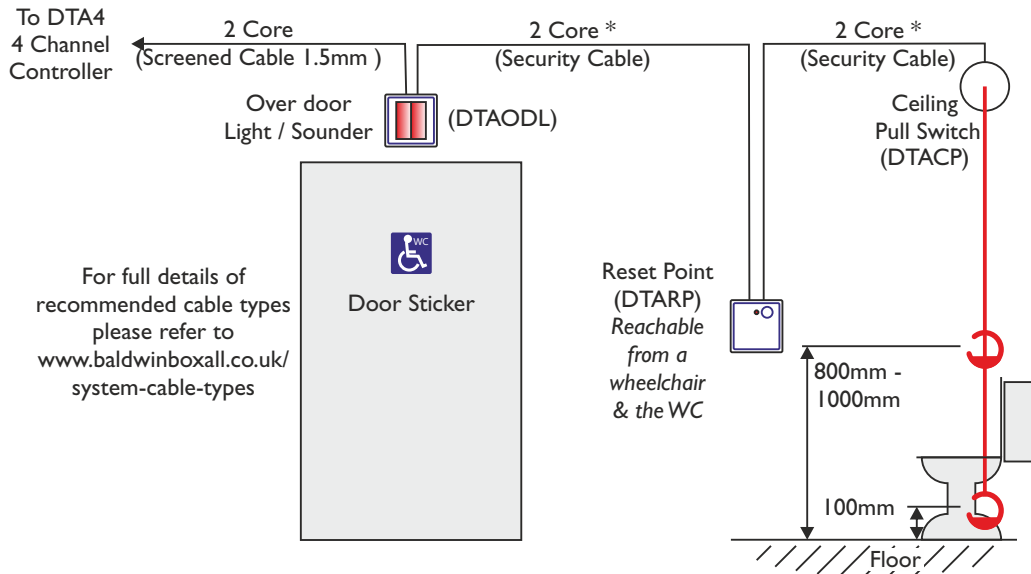
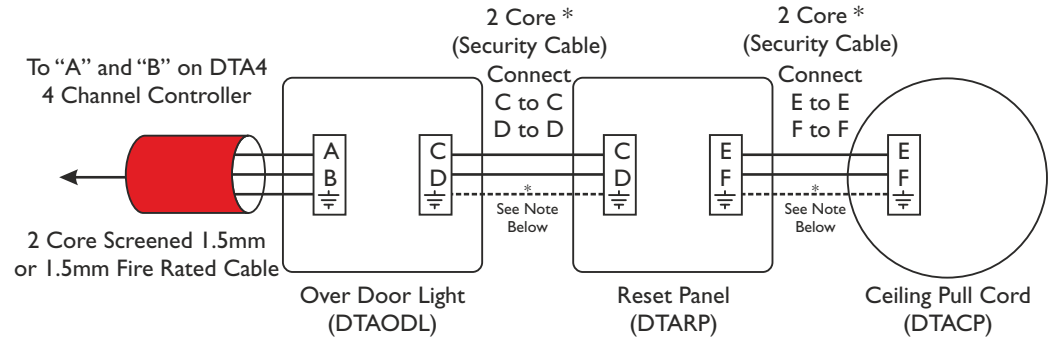
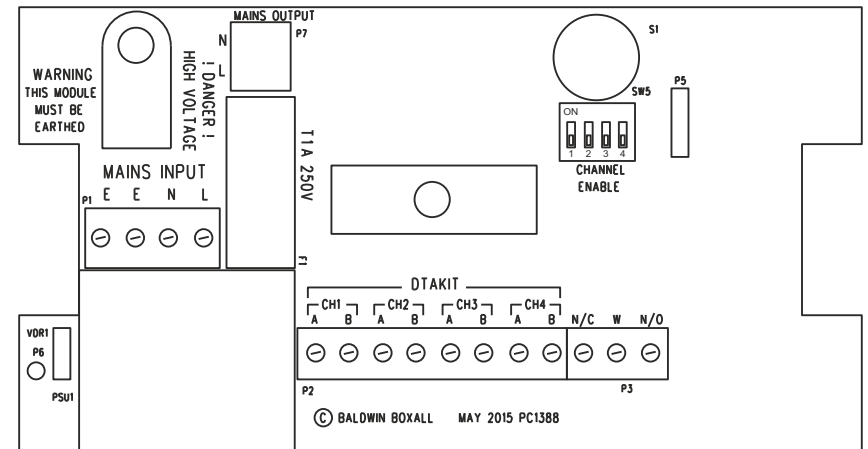


Figure 2 - DTAKIT Connection Details



*The Safety Earth connection MUST be fitted and taken to a Safety Earth Connection if Stainless Steel front panels or metal back boxes are used.

Figure 3 - DTA4 Connections



WARNING - Hazardous voltages (mains) present when front panel removed

Usage

When the Call Point (DTACP) is activated the DTA kit buzzer sounds and LEDs illuminate.

At the DTA4 controller the corresponding channel LED is illuminated, the buzzer sounds and the relay output is energised.

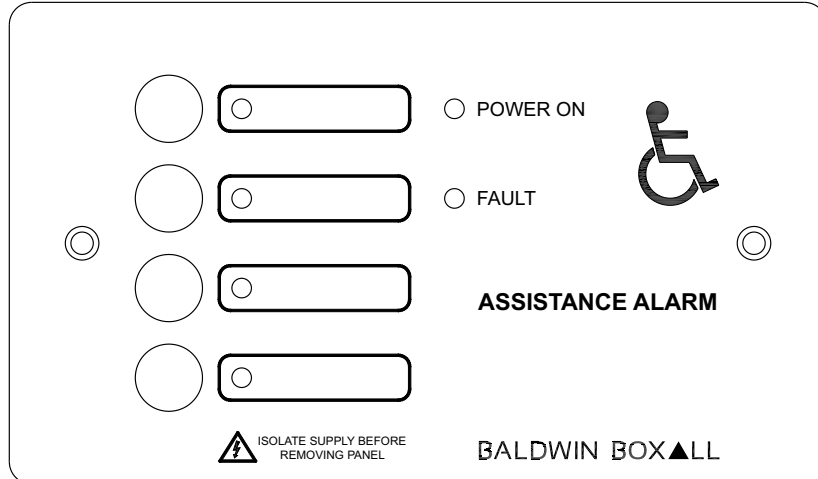
User then accepts the call via the front panel buttons, the DTA4 buzzer is muted, the LED begins to flash, the relay output is de-energised and the DTA kit LEDs and Buzzer signal that help is on its way.

The user then attends the incoming call location and presses the DTA kit reset button.

If the alarm is not reset within a programmable time the DTA controller buzzer re-sounds, the corresponding channel LED illuminates solidly again and the relay output is energised.

The resound time is programmable for durations of 2.5 – 10 minutes.

Figure 4 - DTA4 Front Panel



Configuration

Channel Enable DIP switches must be set to ON in order to use a Channel and OFF if a Channel is unused.

Failure to do this will result in either Channels not working or faults being indicated for unused Channels.

The "Re-announce acknowledged but not reset" duration is configured by pressing and holding the Channel buttons for 10 seconds:

Channel 1 – 2.5 minutes (Top button) - Default.

Channel 2 – 5 minutes,

Channel 3 – 7.5 minutes,

Channel 4 – 10 minutes (Bottom button).

Faults

The DTA4 monitors the enabled connected DTA Kits for Faults.

The Fault LED illuminates in the following conditions;

No Channels enabled via the DIP switches – Test Mode – Fault LED on,

Open Circuit to enabled DTA Kit – Fault LED On, Channel LED flashes quickly, buzzer sounds,

Short Circuit of any enabled channel – Fault LED On, Channel LED flashes slowly, buzzer sounds.

The fault buzzer can be muted for a period of 24 hours when in fault condition by pressing the corresponding Channel Switch.

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Wealden Industrial Estate
Farningham Road
Crowborough
East Sussex
TN6 2JR
UK
Telephone: +44 (0)1892 664422
Email: hello@baldwinboxall.co.uk
Website: <http://www.baldwinboxall.co.uk>

This equipment has been designed and manufactured to conform to both CE & UKCA requirements.

Failure to use the equipment in the manner described in the product literature will invalidate the conformity. A "Declaration of Conformity" statement and a "Declaration of Performance" is available on request.

