FIKE SAFETY TECHNOLOGY LTD.

CIE-A-200 / CIE-A-400 Battery Box (540-0020)

Installation Guide

General Description

The Fike External Battery box provides emergency short-term backup power for the CIE-A-200 / CIE-A-400 to enhance the usability and reliability of the systems. The External Battery box safeguards operation during blackouts and other power interruptions providing extended battery run time.

Only use an external battery box purchased from Fike Safety Technology which has been approved for use with the CIE-A-200 / CIE-A-400 panel **(will not fit with a flush mounted panel).**

This must be mounted beneath the CIE-A-200 / CIE-A-400 panel. Conduit bushes, coupling and battery lead harness are provided with the external battery box kit.

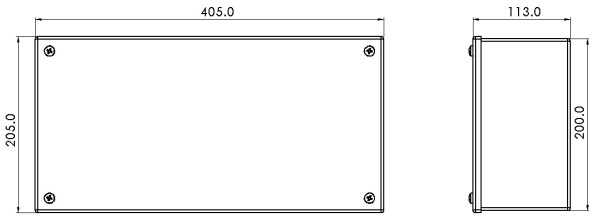
When using the external battery box the internal batteries within the panel are not used and must be removed.
The internal battery connection leads must also be removed and are replaced by the battery connection leads provided with the external battery box.

Battery Type

The CIE-A-200 / CIE-A-400 external battery box will require 2 x 12V 12.0Ah / 2 x 12V 17.0Ah batteries (not provided).

Contents

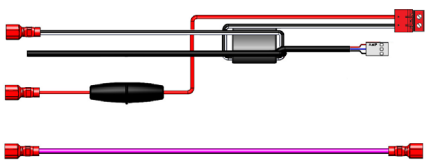
1 x External Battery Box



2 x 20mm Conduit Bush

1 x 20mm Coupling

1 x Battery Lead Harness



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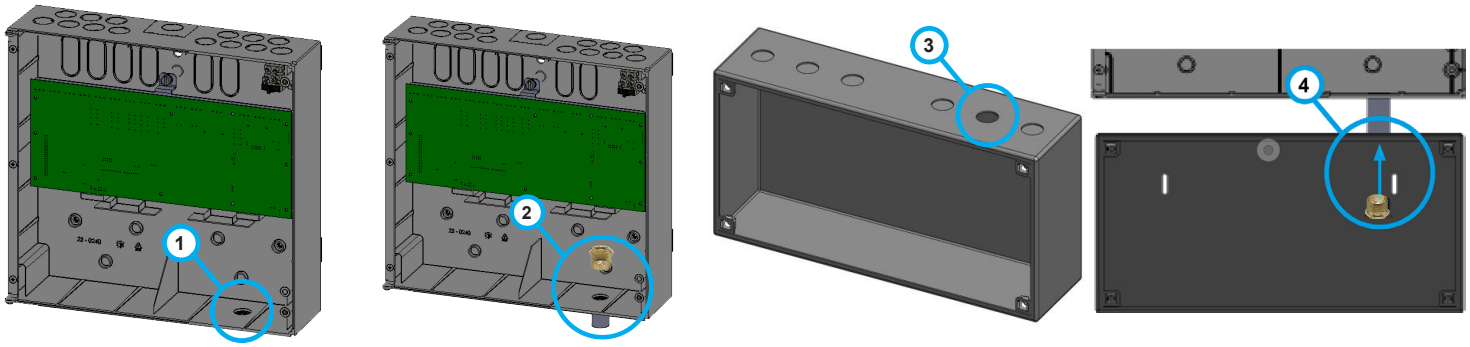
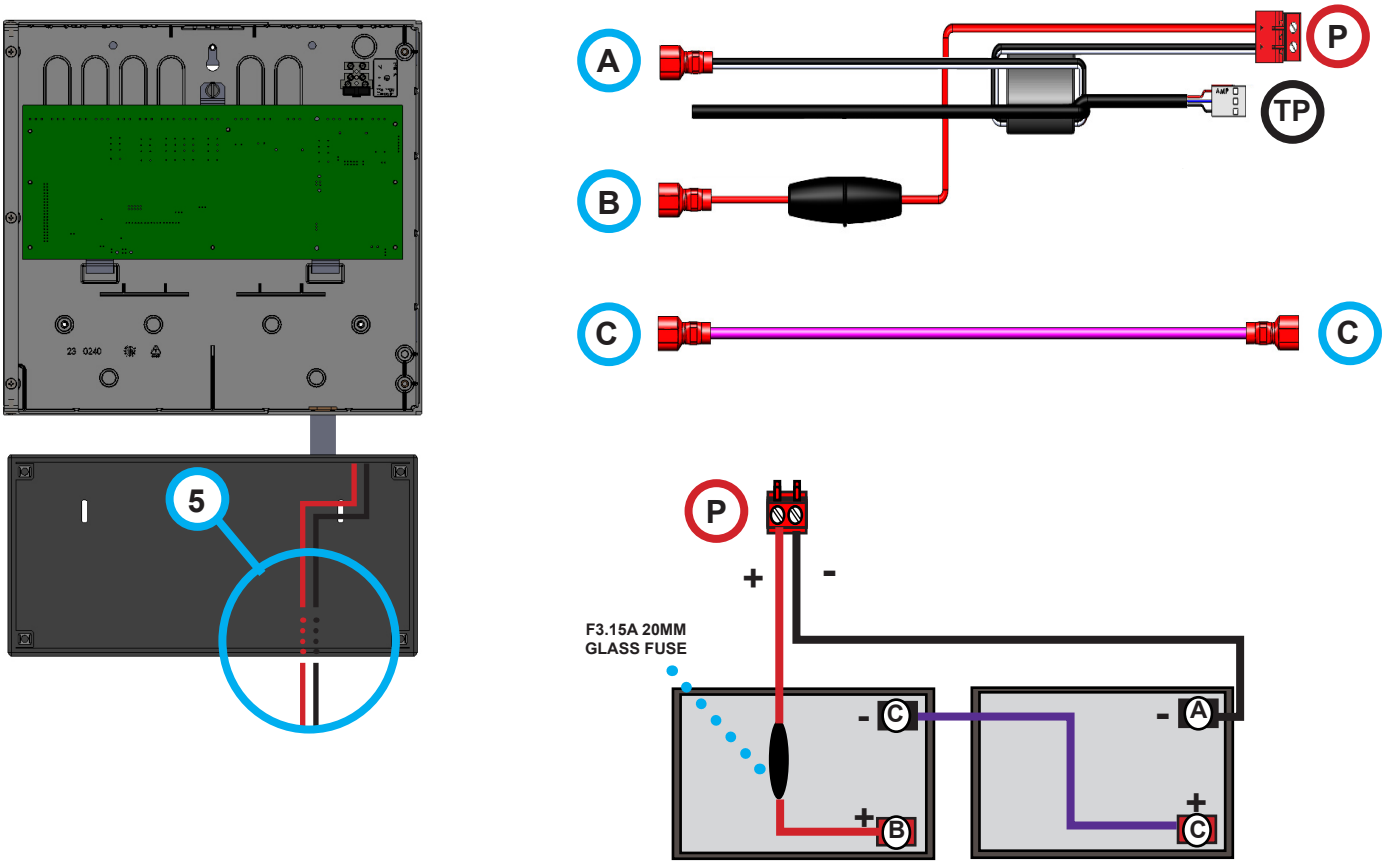
Installation

1. Remove / Drill 20mm knockout in the bottom of the back box.
2. Using 1 x 20mm conduit bush, attach the 20mm coupler to the CIE back box.
3. Remove the relevant knockout from the top of the battery box as indicated
4. Mount battery box beneath the panel, securely to wall ensuring box is level. Attach the battery box to the coupler using 1 x 20mm conduit bush.





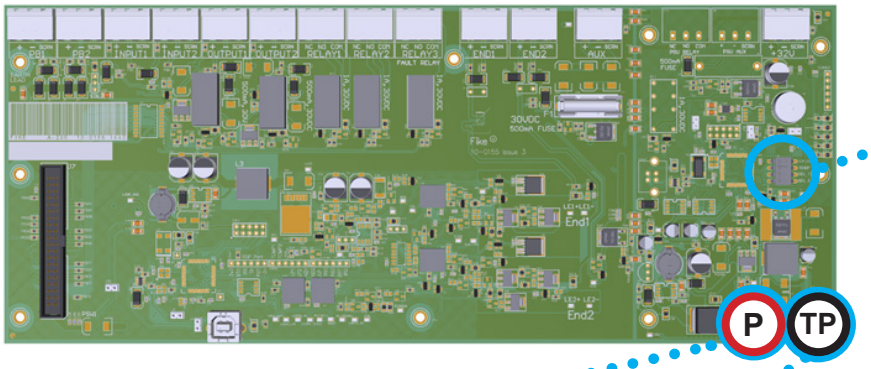
5. A harness is provided that extends from the battery box to the control panel, you must run the harness through the coupling and up to the control panel battery terminals.

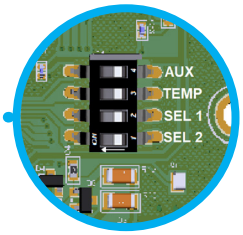
Check all battery connections carefully for polarity.
REVERSED CONNECTIONS MAY DAMAGE EQUIPMENT.

Battery Temperature Probe

There is a temperature sensor on the PCB; there is also provision for an external battery temperature probe supplied. This is on a fly lead which plugs into the PCB; it can be placed close to the battery for a more accurate battery temperature reading.
If a battery temperature probe is used it must be enabled using DIL switch S1 – TEMP.

Connections for CIE-A-200

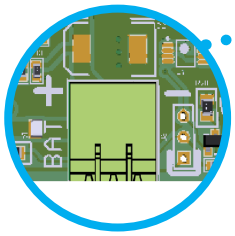




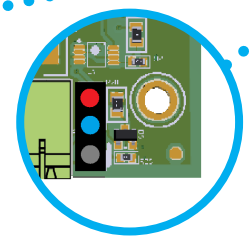
Not in use	AUX
Not in use	OFF
Not in use	OFF

Battery Temp Probe	TEMP
Internal battery temp Probe	ON
External battery temp Probe	OFF

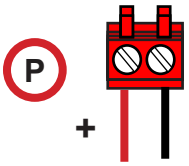
Battery Capacity	SEL 1	SEL 2
2 x 12V 7Ah	ON	ON
2 x 12V 12Ah	OFF	OFF

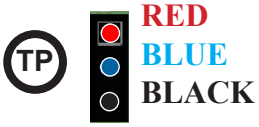


Battery Connections

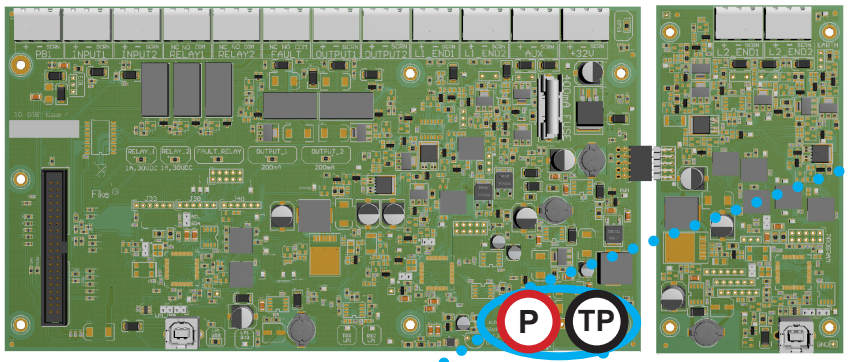


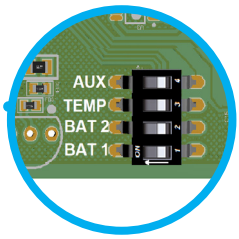
Battery Temperature Probe (RED to top)





Connections for CIE-A-400

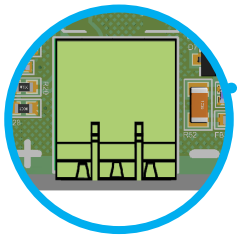




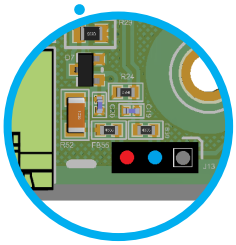
Not in use	AUX
Not in use	OFF
Not in use	OFF

Battery Temp Probe	TEMP
Internal battery temp Probe	ON
External battery temp Probe	OFF

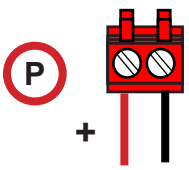
Battery Capacity	BAT 2	BAT1
2 x 12V 7Ah / 9Ah	ON	ON
2 x 12V 12Ah / 17Ah	OFF	OFF

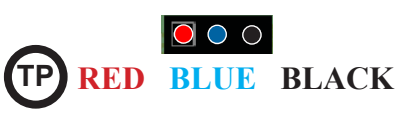


Battery Connections

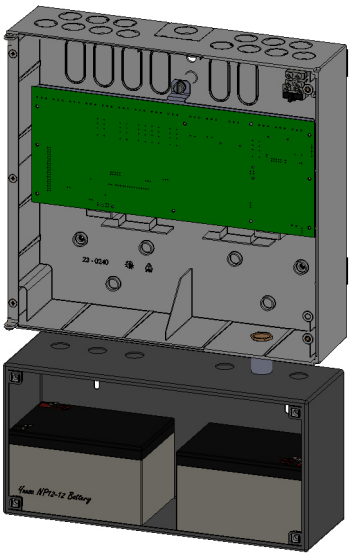


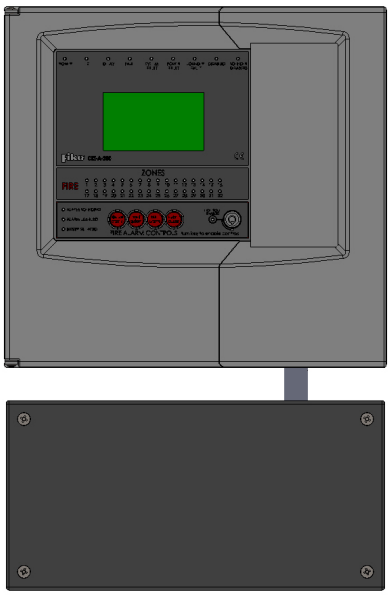
Battery Temperature Probe (RED to LEFT)





	Fuses and Protection
Battery (reverse polarity)	F3.15A Fast Blow 20mm (in line with battery leads) Glass





Technical Support

Contact your supplier for technical support on this product.

Due to the complexity and inherent importance of a life risk type system training on this equipment is essential, and commissioning should only be carried out by competent persons. Fike cannot guarantee the operation of any equipment unless all documented instructions are complied with, without variation.

Fike's policy is one of continual improvement and the right to change a specification at any time without notice is reserved. Whilst every care has been taken to ensure that the contents of this document are correct at time of publication, Fike shall be under no liability whatsoever in respect of such contents. E&OE

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Intended for use in the fire detection and fire alarm Systems in and around buildings

MADE IN BRITAIN