

Technical Data Sheet

REMOTE SWITCHER UNIT CR32 INSTRUCTIONS FOR USE

42-632 EMO Remote Switcher Unit CR32

WARNING: TO AVOID ELECTRICAL SHOCK READ THESE INSTRUCTIONS CAREFULLY.

CONTENTS

1. Introduction

1.1. Safety

1.2. Description

2. Installation

2.1. Fixing

2.2 Keypad de-select

3. Wiring

4. Operation

5. Troubleshooting

These instructions apply to UK versions only.

1. Introduction

1.1. Safety

Mains power wiring is dangerous. A suitably qualified person should install the system. Reference should be made to BS & any other local wiring requirements.

Before working on this system or altering any of the options, isolate the Master Switcher CM6 and any Slave Switcher CS6 units from the electricity supply. When the supply is hard wired turn off the local isolator and preferably remove the fuses. Ensure that all staff know that work is being carried out on the system. If power is supplied from a pluggable source, remove the plug.

This unit should be fitted in a suitable back-box, either flush or surface, to restrict access to the wiring terminals.

1.2. Description

The system allows mains powered electrical equipment to be turned on and off in a particular sequence. Instructions to initiate the sequence are input via a coded keypad. The CR32 Remote Panel allows control from a location remote to the CM6 Master Unit. The CM6 Master Unit contains all the control electronics together with the first two sequential power outputs. A further 8 low voltage outputs are available to control CS6 Slave Units.



2. Installation

2.1 Fixing

All units are designed for mounting in a standard dual-gang back-box or surface box.

2.2 Keypad de-select

All units are designed for mounting in a standard dual-gang back-box or surface box. When a CR32 Remote Panel is fitted to a system it is sometimes necessary to prevent the keypad on the master unit being able to operate the system. This can be achieved by cutting a wire link on the keypad PCB in the master unit. This link is situated on the LED end of the front panel PCB and is accessible without removing the board from the unit. This link only prevents the keypad from operating, it does not disable the LED's so that the system status can be checked.

3 Wiring

To give complete control and maximum security a 9-wire cable is required to connect the remote panel to the master unit. Wiring between the barrier strips is 1 to 1, 2 to 2 etc. Connecting cables can be any suitable low voltage type, e.g. burglar alarm or telephone. Low voltage cables should be segregated from power (mains) cables.

It is possible to use the system with a reduced number of wires in the control cable but this does allow the 'cracking' of the code to be a lot easier and reduces the flexibility when code changing. The wire coinciding with a key which does not appear in the set code need not be run, e.g. if the set code is 3642 then the wires corresponding to keys 1 & 5 need not be used. The barrier strip numbering corresponds with the keypad number, i.e. barrier strip terminal 1 controls key 1 etc. Wires between strip numbers 7, 8 & 9 MUST be connected. See Fig. 1, below, for connector terminal numbering.

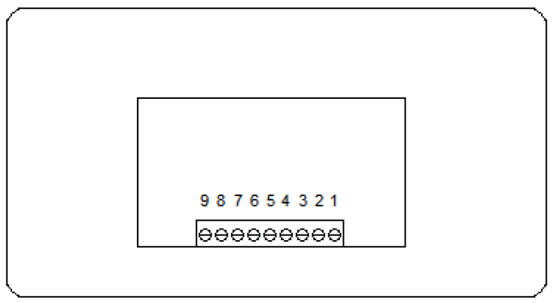


Fig.1

4. Operation

On first connecting power, the system will be 'OFF'. Upon entry of the correct combination (code), the code-accept LED (marked 'ON') will illuminate. After approximately 10 seconds, Output 1 and Output 1 LED on the CM6 Master Unit will turn on. After approximately another 10 seconds Output 2 and Output 2 LED will turn on. This sequence will continue until all connected outputs have latched on. During the turn-on sequence no 'OFF' code will be accepted.

After entry of the first correct digit of a code the rest of the code must be entered within 5 seconds or the code will be rejected. If an incorrect code is entered then wait about 10 seconds before trying again.

Once the 'ON' cycle has been completed, entry of the correct code will start the turn-off sequence i.e. turn-on in reverse. Similarly to the 'ON' sequence the 'OFF' sequence will not accept an 'ON' code until the system has completed its cycle

If there is a loss of power the system will reset to 'OFF'.

5 Troubleshooting

OFF or ON LED lit but does not change on entry of code	Wrong code or link cut on keypad PCB	Check code & allow 20 secs between tries

Some items of equipment that are fitted with combined circuit breaker and ON/OFF switches do not reliably turn on remotely i.e. when the item is left turned on and the supply is connected. There is no solution to this problem apart from removing the offending circuit breaker; this is not recommended

Note: These instructions apply to the installation and use of the CR32 remote keypad unit.

Please read the full "Instructions for Use" of the Master Switcher unit CM6 for full details of the complete switching system.



For more information on products and services, please contact our sales team:

UK Sales 0191 418 1122 sales@canford.co.uk

International Sales +44 (0)191 418 1133 international@canford.co.uk

canford.co.uk