PANACHROME

INSTALLATION SHEET

MEMCO

PART NO. C2200

ISSUE 1

Introduction

The Panachrome detectors have been designed so that they can be mounted flush with the leading edge of the doors, or just slightly back. For the visual indicators to be effective, the system should only be installed in dynamic mode, with at least one of the detectors fixed to a moving door.

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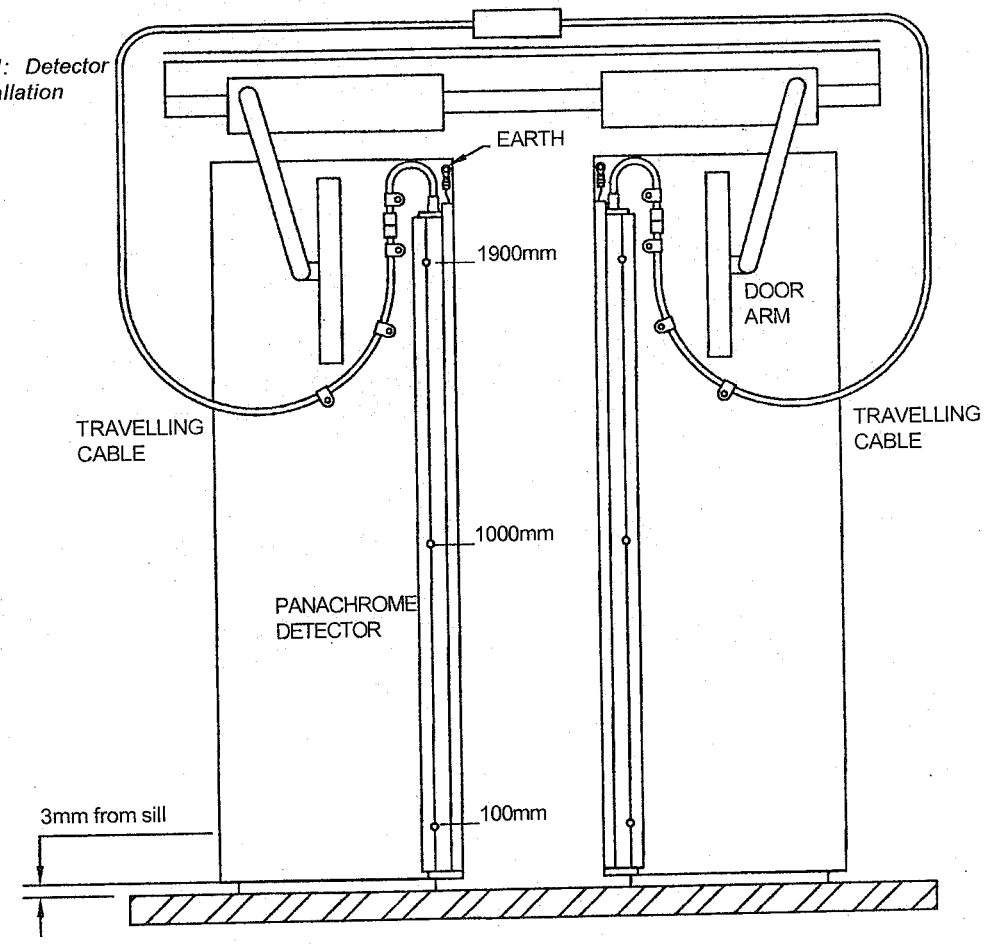
Detectors Installation

- Position the detectors on the doors approximately 3mm above the door sill
- TX is mounted on the left when viewed from the landing
- Mark or spot through the 3 fixing holes
- Remove the detectors from the door before drilling
- Drill the 3 fixing holes in the door using a 3mm drill
- Screw the detector to the door using the No.6 self-tapping counter sunk screws provided
- Check detectors are aligned with each other

Fig 1: Detector Installation



Important:

- Screw the earth ring tag to the lift door using a No.8 screw and a shakeproof washer
- The earth *must* be fitted to ensure the unit is properly grounded
- Check also that the door itself is grounded to the lift
- Use a P-clip either side of the pluggable connectors, to reduce risk of plug and socket separating
- Do not shorten Memco cables by cutting them

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Controller Installation

Position the controller in a suitable place on the roof of the lift car, fix using 4 No.8 screws.

Signals from lift required:
Power supply - check AC supply voltage available matches controller voltage (check label on transformer).
Alternatively, 18-25V DC.
Relay output - a changeover relay provides the signal to the lift controller to re-open the doors.

Door movement signalling

There are 2 options available to initiate the visual indication of door movement:

a) Automatic:
As the doors begin moving, the system detects the doors have started moving and will start flashing the LEDs red on closure, or green on opening. Switching delays vary according to door movement speeds and the delay may be undesirable in some installations. No additional wiring to the lift controller is required. To enable automatic switching, remove Jumper J6.

b) External Signal:
Signals are required from the door controller to switch the LEDs to red or green. 12V to 230V AC or DC voltages from the door open and door close contactors are connected to the input of the controller. Refer to Fig 2 for details.

Note:
The voltage on the inputs must never exceed 250V. Beware of voltage transients which may exceed this (e.g. from relay coils). If necessary, fit appropriate suppression or snubber device.

For external signal activation, Jumpers J7 and J8 must be set according to whether the voltage will rise or fall when the signal from the controller is applied. If the voltage rises when the doors move, then fit J7 (Opening) or J8 (Closing). If the voltage is normally present, and falls when the doors move, then remove these jumpers.

External signal activation provides the quickest response to indicate door movement.

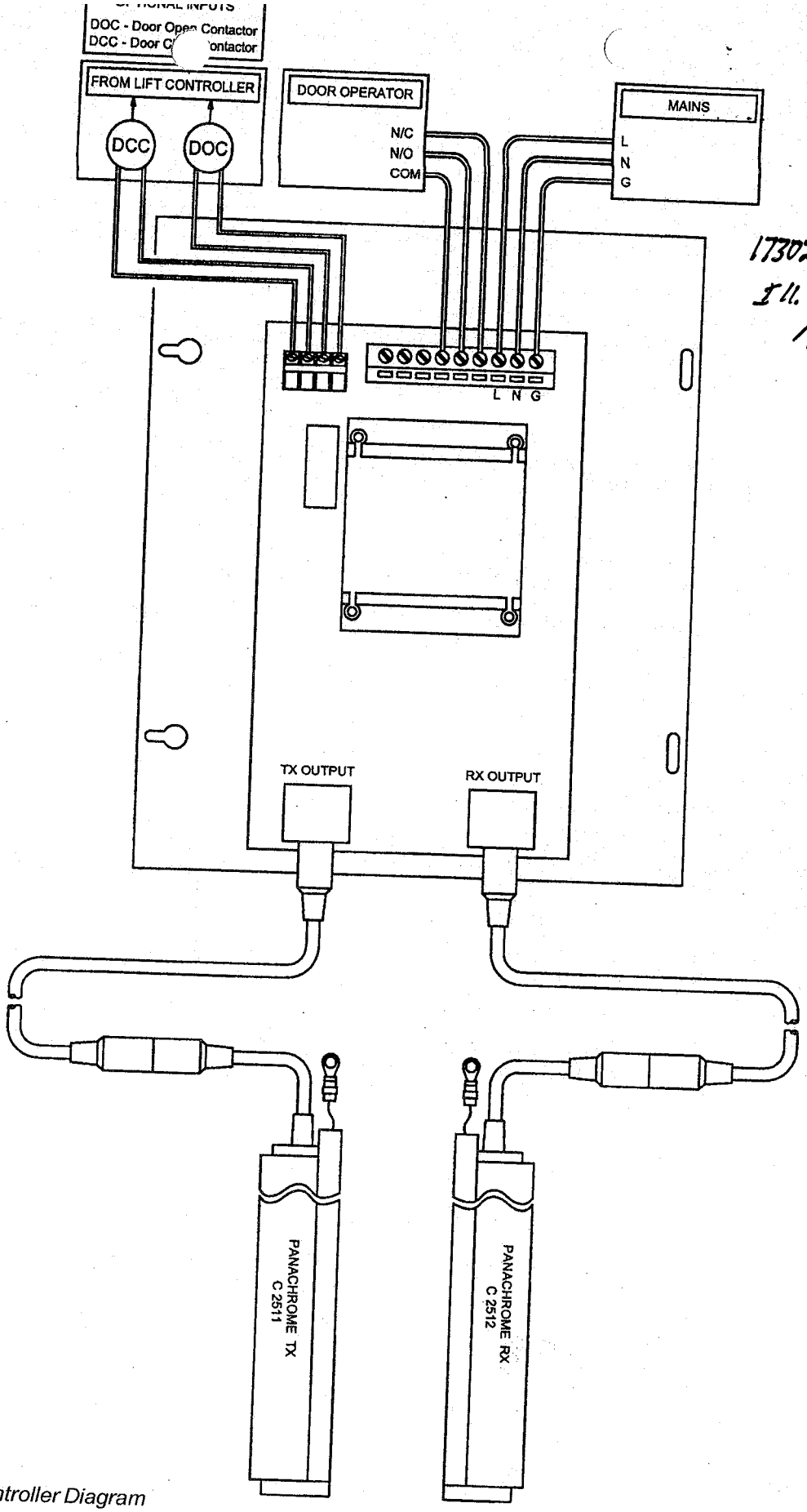

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Fig 2: Controller Diagram

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Jumper Settings

The jumpers provide the following configurations:

Note: If jumper is to be removed, fit to one pin only in case it is required in the future.

Description		
Jumper	**Jumper Fitted**	**Jumper Removed**
J1	Special Firmware Version. Do Not Fit.	Do Not Fit
J2	Disable Visual LED indication	Enable Visual LED indication
J6	External Signal Visual LED Activation	Automatic Visual LED Activation
J7	Doors Opening External Signalling - Signal Rises	Doors Opening External Signalling - Signal Falls
J8	Doors Closing External Signalling - Signal Rises	Doors Closing External Signalling - Signal Falls
J9	Reserved. Do Not Fit	Reserved
J10	Enable Visual LED indication in TX	Disable Visual LED indication in TX
J11	Enable Visual LED indication in RX	Disable Visual LED indication in RX

The label inside the lid has further details on positions and settings of the jumpers and switches.

Part Numbers

C2511	Transmitter Detector (TX)
C2512	Receiver Detector (RX)
C2850	Panachrome Controller

Fixing Kit (per system)

Memco Part No.	Description	Quantity
001 903	6mm P Clip	10
055 223	Screw, No.8 x 12, S/T Pan hd	16 (12 for detectors, 4 for controller)
055 217	Screw, No.6 x 20, CSK Poz: Hd	6
057 029	Shakeproof washer	2