**Manuals+** — User Manuals Simplified.



# LOCKWOOD Elevation Keypad Touch Screen Display Instruction Manual

**Contents**

**LOCKWOOD Elevation Keypad Touch Screen Display**

## Items Supplied
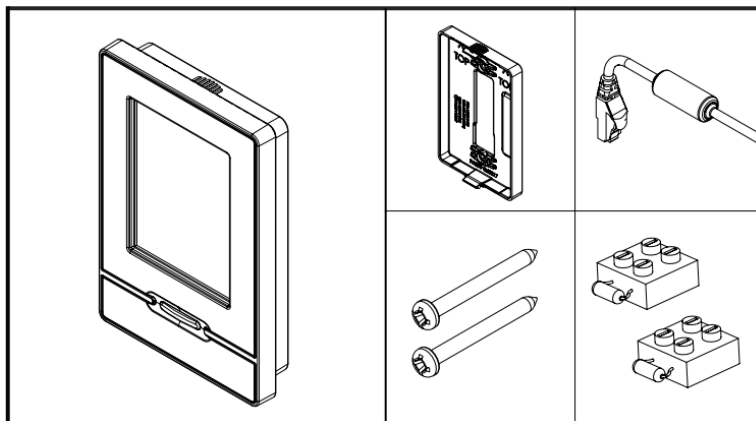


- Keypad
- Wall Bracket
- 1m Cat 6 / Cat 5e Cable
- Fixing Screws (x2)
- Terminal Resistor Blocks (x2)

## Tools Required

- Hobby Knife
- Small Screwdriver
- Phillips Screwdriver
- Long Nose Pliers
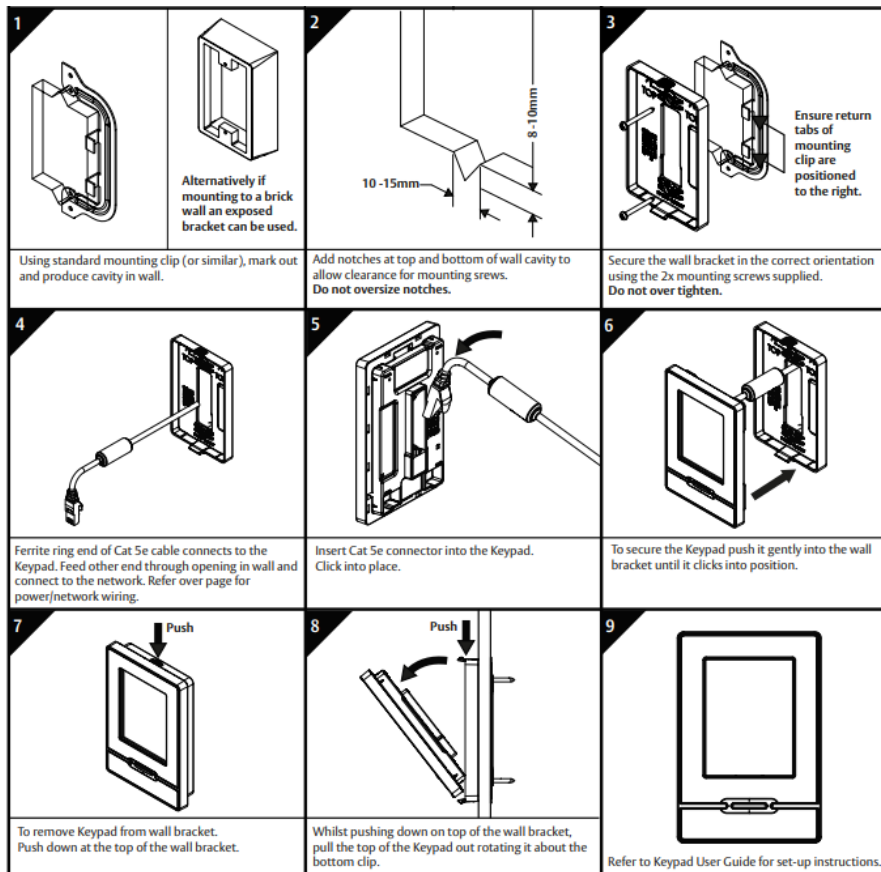- Wire Strippers

## Serial Number Label

**IMPORTANT:** Ensure the Serial Number is noted on the back of the Keypad User Guide. This will be used for the programming of the Key/Control System.
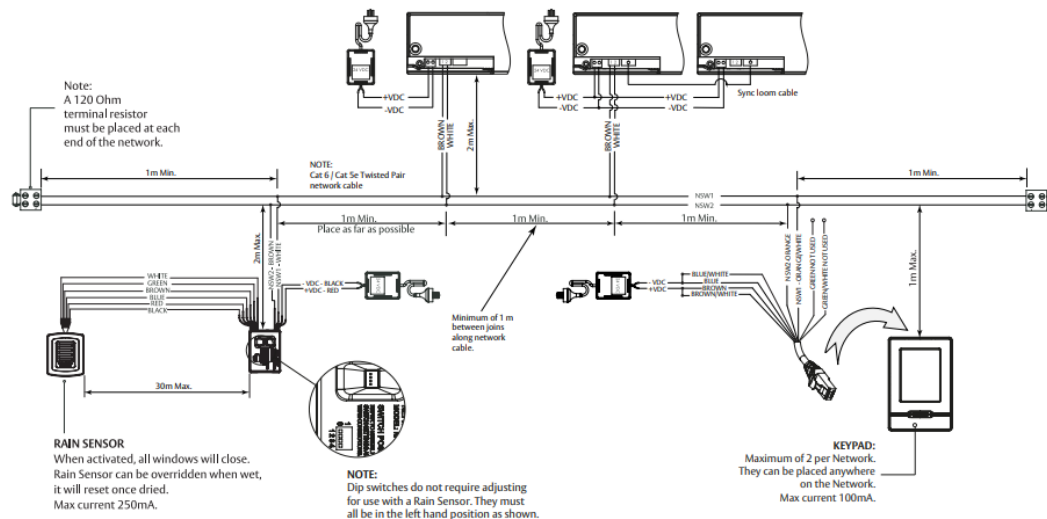
## Installation tips



- The power connection on the actuator is not polarity conscious.
- Cat 6 / Cat 5e Twisted Pair Network Cable used for the network cable.
- A 120 Ohm resistor must be connected at each end of the network cable.
- The network signal wires (NSW1 and NSW2) are polarity conscious and must not be shorted or connected the wrong-way around when connecting to devices.
- Each device must be connected to a new point along the network cable so devices are connected in a 'daisy chain'.
- Maximum network cable length is 300 metres
- A maximum of 32 devices can be connected to one network. For example 28 actuators and 2 keypads and 2 rain sensors.
- A 'synchronised actuator' is not counted in the number of connected devices because it acts as a slave.
- A maximum of 4 rain sensors and 2 keypads can be connected to a keypad network.
- Keypads and wall switches are not recommended
- The network cable can be 'looped down' to the actuators and network adaptors so connecting
- Ensure all joins along the network cable are made properly. Soldering the joins is recommended.
- Refer to Keypad installation and programming instructions for additional features.

**Rain Sensor**

- When the rain sensor detects rain, all the windows connected to the network will close together.
- The windows can to be opened again by pressing the wall switch.
- The windows can also be opened during rain from the wall switch which overrides the rain sensor. However the rain sensor will not reactivate until it has dried out and reset.

**Keypad Circuit Diagram**

Note:
A 120 Ohm
terminal resistor
must be placed at each
end of the network.

+VDC
-VDC

+VDC
-VDC

+VDC
-VDC

Sync loom cable

BROWN
WHITE

2 m Max.

BROWN
WHITE

1m Min.

1m Min.

NOTE:
Cat 6 / Cat 5e Twisted Pair
network cable

NSW1
NSW2

1m Min.

1m Min.
Place as far as possible

2m Max.

WHITE
GREEN
BROWN
BLUE
RED
BLACK

-VDC - BLACK
+VDC - RED

Minimum of 1 m
between joins
along network
cable.

-VDC
+VDC

BLUE/WHITE
BLUE
BROWN
BROWN/WHITE

NSW1 ORANGE

NSW2 - ORANGE/WHITE

GREEN/WHITE NOT USED

1m Max.

30m Max.

**RAIN SENSOR**
When activated, all windows will close.
Rain Sensor can be overridden when wet,
it will reset once dried.
Max current 250mA.

**NOTE:**
Dip switches do not require adjusting
for use with a Rain Sensor. They must
all be in the left hand position as shown.

**KEYPAD:**
Maximum of 2 per Network.
They can be placed anywhere
on the Network.
Max current 100mA.

**KEY:**

- **NSW1 =** Network Signal Wire 1.
- **NSW2 =** Network Signal Wire 2.
- **NO =** Normally Open contact.
- **NC =** Normally Closed contact.

## CALIBRATION AND BASIC FUNCTION

- **Calibration**
  - Once all actuators have been registered the system will proceed to a calibration screen.
  - Press Calibrate Actuators. All actuators will open and close twice.
  - If a warning is displayed 'Window Obstructed' this means an actuator has performed a safety stop.
  - Locate the window and check for obstruction.
  - Press Home and then Close All. (Only the obstructed window will close) Then press Calibrate Actuators.
  - Refer to 'Keypad Programming and User Guide' for further information.
- **Powering Up the System**
  - Ensure all wiring connections are complete before powering up. Ideally, the actuators should be powered up before the keypads to ensure the keypads register all actuators on the network.
  - If this isn't possible and actuators have not been recognised by the keypad, press Reset Keypad in the Setup page.
  - Then proceed to Zone Setup to allocate actuators that have not been registered.

## TECHNICAL SPECIFICATION

| INPUT VOLTAGE | 24V DC |
|---|---|
| MAXIMUM CURRENT | 750mA per Actuator |
| OPENING TIME | Approx 40 sec |
| OVERALL DIMENSIONS | 308mm x 44mm x 32mm |
| OPERATING TEMPERATURE | 0° - 50°C |
| HUMIDTY | 0% - 95% |
| NETWORK CABLE LENGTH | 300m Max |

## Documents / Resources
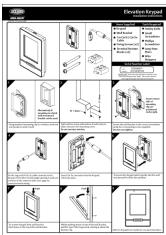


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