

# An outdoor Weatherproof Terminal for

**CONCEPT 4000** systems



## An elegant combination of form, function and resilience

- Waterproof, vandal resistant IP68 rated case with no moving parts
- One door access control
- Single area security control
- Keypad lockout function
- Sits anywhere on the Concept 4000 LAN

Sporting a stylish, waterproof, dust proof and vandal resistant brushed aluminium case, the Weatherproof Terminal from Inner Range adds yet more versatility to the Concept 4000 stable of security and access control products.

This device is perfect for gate or door access control in exposed environments. In addition to 1 door access control, users can also separately arm and disarm their alarm system or a portion thereof using the Weatherproof Terminal. Along with the area control, there is visible feedback of “valid / invalid PIN” entry as well as “area armed / disarmed” status.

The attractive fully sealed case belies the Terminal’s toughness and IP68 rating. Piezo effect keypad buttons mean there are no moving parts, enhancing the sturdiness of the device.

Security of the mechanical installation is maintained by three separate inputs that can generate a Tamper alarm: cabinet tamper (Reader Module housing), keypad tamper and keypad cable tamper.

## Features:

### Keypad

- Attractive, rugged case is highly vandal resistant
- Fully waterproof and dust proof IP68 rated case with no moving parts
- Control one door per Terminal
- Control a security area associated with the door or user’s special area
- Piezo effect pushbuttons with audible feedback
- Easy to install
- Displays login status and area status with “Code” and “Armed” LEDs
- Keypad lockout feature if >3 incorrect logins in a row
- Extendable flying leads provide option to house Reader Module in more sheltered location.

### Modified Reader Module PCB

- Provides reed and tongue sense monitoring
- Request to Enter (REN) and Request to Exit (REX) inputs provided
- On-board lock relay
- Fuse protection of keypad power

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Connection of the keypad to the Concept 4000 system is by means of a modified Reader Module supplied in the kit. Extendable 1 metre long flying leads from the back of the keypad allow the Reader Module to be housed in a more sheltered location separate to the keypad.

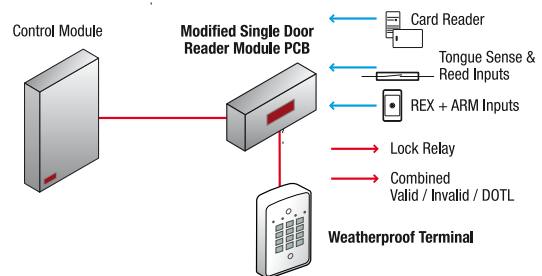
### Easier to program, tighter integration...

Unlike previous solutions utilising third party products, this wholly Inner Range solution does not require special user configuration. With this terminal, all programmed system users have access to PIN code functionality similar to that of a normal Elite Terminal but restricted to the single door and area associated with this keypad.

The new Weatherproof Terminal offers more features and tighter integration than third-party weatherproof terminal solutions for Concept 4000 systems.

## Connectivity

The Weatherproof Terminal is connected to the Concept RS485 LAN through the supplied Reader Module. Up to 99 Weatherproof Terminals may be installed in a single panel system.



## SPECIFICATIONS

### Physical

Keypad Dimensions	130(L) x 81(W) x 21(D) (mm)
Keypad Installation Environment	-20° – +70°C @ 100% Relative humidity
PCB Dimensions	95(L) x 95(W) (mm)
PCB Installation Environment	0° – 40°C @ 15% to 85% Relative humidity (non-condensing)

### Electrical

Input Voltage to PCB	11-14VDC (Typically from separate power supply)
Operational Current	Min.: 25mA Max.: 105mA with lock relay active. (Including max keypad current)
Fuse Protection	500mA (Keypad/Reader power)

### Inputs

Zone Inputs	5 (May have predefined functions depending on programming options selected, i.e.: Door Reed, REX, REN, Tongue Sense and Arm button)
Reader Ports	1 (used for keypad)

### Outputs

Relay	1 (Typically used for door lock)
Outputs (Open Collector)	5 (3 reserved for Valid/Invalid, Area Armed/Disarmed indication, keypad beeper)

## Ordering options

- 995010** Weatherproof Terminal (Shortform kit containing keypad and reader module PCB. Requires external power supply).