



**MAGDRIVE**

# Info



## MAGDRIVE “PRESCO” DIGITAL KEYPAD SYSTEM

Presco3.Pub

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### DESCRIPTION

The “PRESCO” Digital Keypad system utilises the latest microprocessor technology to operate most alarm panels on the market. These keypads offer the ability to control an alarm panel by using easy to remember codes for up to 61 different users. The rugged vandal and weather resistant keypad is constructed in stainless, has backlit keys and is designed to be used in a harsh environment. Additional keypads can be connected to allow activation and deactivation from several entrances and exits.

### FEATURES

- Split system for maximum security
- Alarm activate relay output
- Duress relay output
- One way code for activation only
- 29 client programmable codes (61 option)
- 19 million possible code combinations
- Digits can repeat ie 12321
- 3 to 7 digit master and end user codes
- 10 year non volatile memory
- Audible / visual confirmation
- Rugged weatherproof construction. IP67 protection
- Backlit stainless keys

### PRINCIPAL OF OPERATION

The Presco keypad is an ideal product for alarm control because it negates the use of keys or cards both of which can become lost or stolen. Most keypads contain the switching relay and control wiring within the keypad which could allow a skilled person to remove the unit and manipulate the wiring to bypass the keypad code. The Presco system is split into two parts so the decoder can do the code processing at a

remote protected environment. The code is transmitted from the keypad in computer language using only two wires. Therefore cutting or shorting of the wires will not compromise security and inherent total security is achievable. As there are 19 million codes to choose from it would take 10 years to try every code. The decoder locks out for one minute with each five invalid attempts to further frustrate any illegal attempt to crack the valid code.

### SPECIFICATION

Operating voltage 12 Volts DC  
Decoder current 15mA at rest-100mA max during switching  
Keypad quiescent current 0.25 mA  
Maximum additional keypads - 9 connected in parallel  
Code combinations 19,487,050  
Illegal attempts before 1 minute lockout 5  
Maximum keypad / decoder separation 1Km  
Minimum wiring requirements 2 wires between units  
Relays 1 x 2 amp SPDT for alarm control output  
1 x 2 amp SPDT for duress output  
Audible/Visual indication  
Red LED and piezo buzzer operate for each number entered and indicate code validation  
Green armed LED shows alarm status  
Keypad dimensions 76 x 120 x 17 mm

### PROTECTION

The Presco system is immune to all types of static, EMI and RF transmissions including those of Police and CB radio systems. Reverse polarity and over voltage protection from lightning strike up to 10KV is provided. Transient absorbers are internally connected between open, closed and common contacts on the alarm control relay.