

The digital keypad **DGT 61** is a custom-encoded control device, mainly designed to open and close automatic access systems, it can be used though for other compatible applications.

DGT 61 consists of a **Keypad** (in an anti-corrosion treated aluminium casing, in two options either to be partially recessed or surface mounted) cable connected (x 4 wires) to the **Main PCB**; this one is to be installed near the Elpro electronic control box for the electrical connections.

The keypad incorporates the button keys, illuminated in blue from the back: nine digits, two outputs A and B and one output for the emergency stop button. The electrical connections for power supply and operating signal are made possible by the terminal board, through a four-wire cable for all the connections to the main PCB.

The electronic card is protected inside a pastic, clear "shell": the back support allows for the terminal connections, and the button switches are covered by a padding, fixed to the back support. All these components are covered by a stainless steel front plate having laser printed numbers and terminal diagram on it.

The main PCB is fitted with a terminal block where power supply is to be connected (in parallel also with the keypads), with the N.O. contacts of the A and B relay outputs and with one pure N.C. terminal output of a third relay, providing connections for emergency stop, where required. A second block of terminals X and Y (and a third one Z for long distance or disturbed signals) receives the encoded signal from the keypads.

Programming is simple and immediate and is made possible by Dip-switches on the main PCB. Each channel can take up to 4 different numerical codes maximum; any one code, through the same channel either A or B, operates the same application.

Other professionally advanced functions can be achieved by means of the two relays (bistable outputs, timed bistable outputs, output delay, etc.) and they can be enabled by the Dip-switches on the main PCB; other control applications are also made possible either outdoor (eg. illumination, alarm systems and watering) or indoor with door/gate automatic systems, etc.

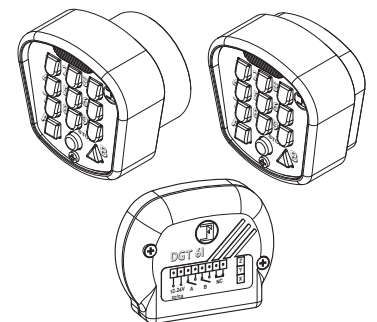
Any function/encoding can be always "reset" through the access code. "Beeps" are emitted by a sound device to indicate the following: a button key has been pressed, the access code has been correctly digitated, wrong encoding or correct memory clearing.

LEDs are fitted on the keypad to help with programming and encoding phases: a green led (correct action) and a red led (wrong action or stop button pressed).

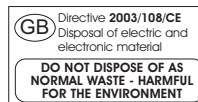
A third blue led, in fixed light mode, indicates that the board is on voltage and allows for the keypad to be easily identified at night; whereas in intermittent light mode it indicates that professionally advanced timed functions are being carried out. On expiry of the pre-set time required by such functions, the blue led goes back to fixed light mode.

Technical data

Power supply 2x0.5mm ²	12-24Vdc/ac
Connections to the keypad.....	4 x 0.5mm ²
Keypad absorption.....	15 mA
Stand-by relay absorption.....	4 mA
Energized relay absorption.....	27 mA
Working temperature.....	-20° +80°C
N.O. channels.....	2
N.C. channels.....	1
Communication distance.....	max 100 m
Output contacts.....	1A-1 25V-60VA
keypad protection standards.....	IP 54
PCB protection standards.....	IP 53



DGT 61



Drwg. No. **6629**



TECHNICAL DATA

DGT 61

Back illuminated custom-encoded digital keypad, transmission by cable

