

Description

The WGD-06 is a relays interface module designed as a complement of the **Digital Recorder Player GD-36** and the **Digital IP-network pre-recorded messages & BGM GD-37**.

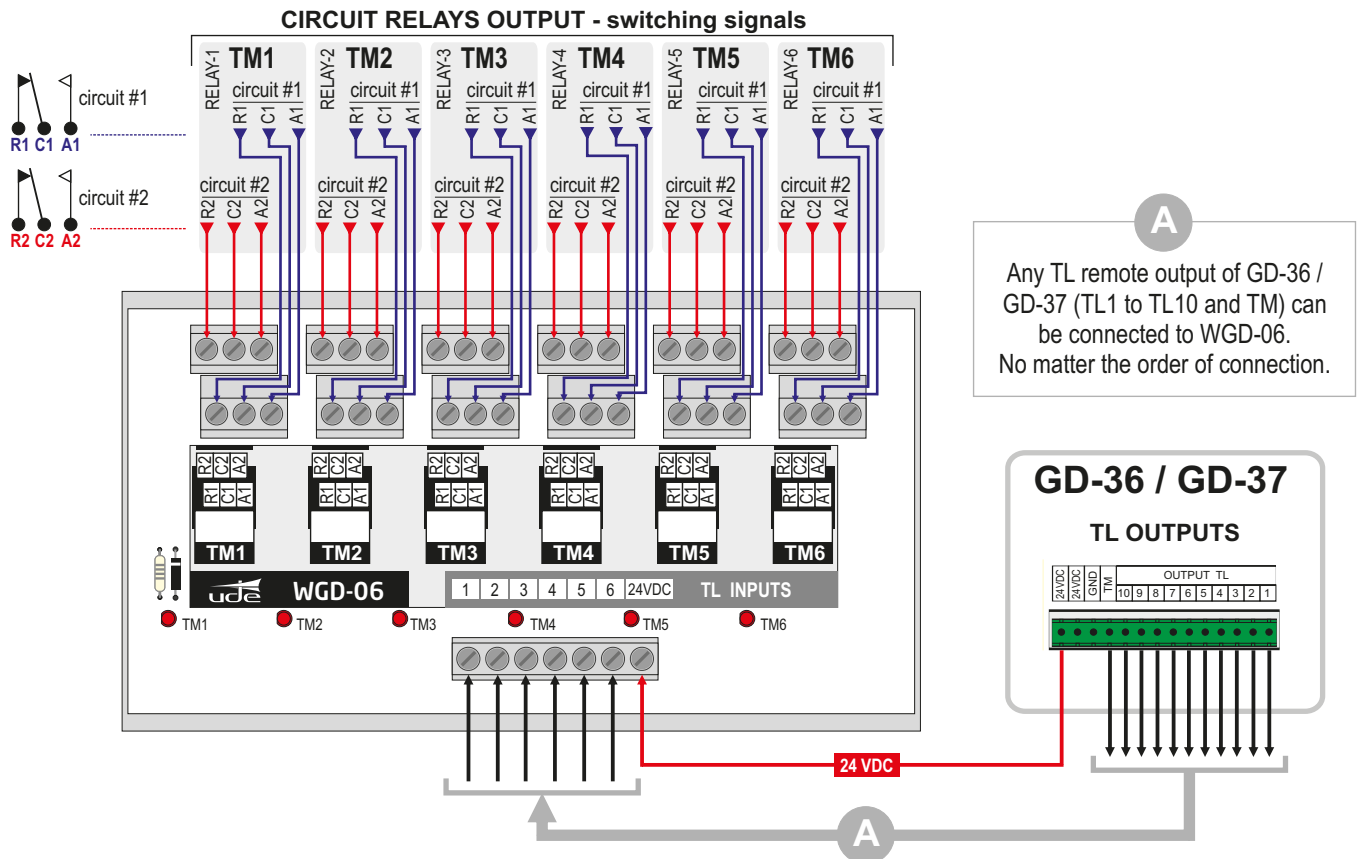
As is known, the GD-36, as well as the GD-37 provides up to 11 outputs for remote control that are normally connected to external relays for very different uses, but in most cases are used to control attenuators, to switch speaker lines, as priority system among devices, to pilot alarm signals, etc. In many cases the installation of these relays is a problem for the installer, hence the WGD-06 module is a perfect interface for such cases.

WGD-06 includes 6 relays of two circuits, each circuit switched type (DPDT). These relays can switch DC and AC loads with maximum consumption of 5A. The module's power supply comes from the + 24VDC output of GD36 / GD-37 or alternatively from an external power supply. The activation of the relays will be made by connecting the desired TL remote output (TL1 to TL10, or, TM) from the GD-36 / GD-37 to the desired input on the WGD-06 module.

Technical characteristics

Power supply	24VDC (minimum: 16.8V, maximum: 40.8V)
Relays Qty.	6
Activation relay indicator	RED led (Relay activated = LED on)
Output Relay Type	2x DPDT circuits (2 FORM A: Activated, Common, Released)
Relay Coil Resistance	1100 Ohms (+/-10%)
Maximum contact rating	5A, 250VAC / 24VDC
Maximum switching voltage	400VAC / 300VDC
Maximum switching Power	1250VA / 120W
Relay contact material	Gold plate silver tin oxide (AgSnO2)
Minimum switching load	10mA, 5VDC
Assembly method/Fixation	DIN Guide (width 35mm) - Not included
Dimensions	137x76x52mm (long x width x high)
Weight	250 gr.

Typical wiring - Signal switching



Typical wiring - AC Voltage switching

NOTE: In case of switching AC voltages, like 230VAC, is recommended the following configuration, in which one of side relays, 1 or 6, is used and the consecutive relay is left free; thus the insulation is increased and induction problems are avoided.

