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ELV TRAFFIC LIGHTS

P/N - TC9102G

CROSS/ARROW TRAFFIC LIGHT

DESCRIPTION:

The TC9102G Cross/Arrow Traffic Light was designed primarily to assist the safe movement of vehicles in underground tunnels and mines. Each light provides either a red cross or a green arrow depending on the polarity of the two wire supply. The display may be flashed, by the pulsing of the power supply.

When powered and controlled via Ringways' 'Traffic Controller' power supply up to 13 lights can be powered and switched automatically (infra-red beam), mechanically (switch) or operated by a miners' cap lamp (light activated switch).

FEATURES:

- **Simple, robust and functional.**
- **High reliability - solid state indicators for long lamp life. Multiple parallel banks that still display should a LED fail.**
- **Extra Low Voltage for Safe operation**
- **Narrow Field of Vision - low levels of light if viewed from the side.**
- **Long Distance Vision - easily seen at 200 meters in an underground mine.**
- **Simple Control for Reliable Operation**
- **Cross Arrow combination to assist those with red/green colour blindness**
- **IP67 with Tough Polycarbonate Clear Lid**
- **Mounting Brackets Available on Request**
- **Sun Shades Available on Request**

APPLICATIONS:

Although the lights were originally developed for use in underground mines, they have been installed in many diverse situations where stop / go control is required. With simple control logic, the polarity on the wires is reversed to change colour and either colour may be flashed, by pulsing the power, without degradation of the lights. Attachment of a sun shade, (similar to Main Roads' traffic lights) can allow them to be used at outdoor locations.

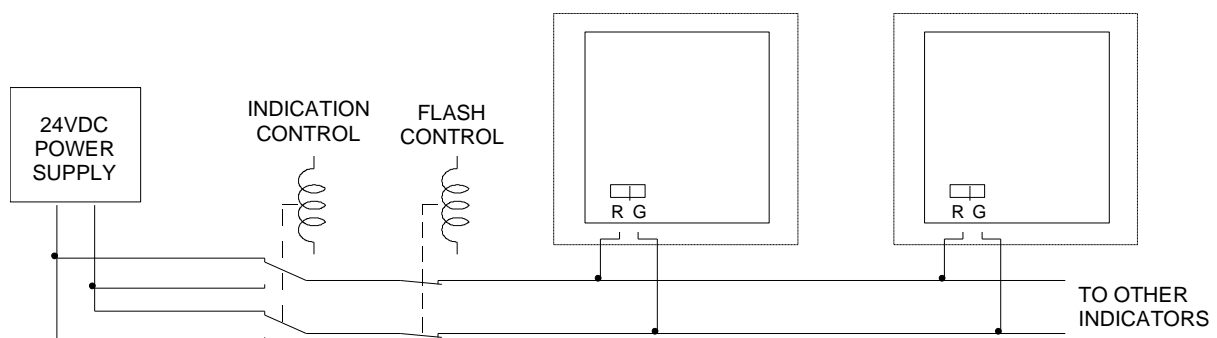
Typically they are powered and controlled by a Ringway 'Traffic Controller' - **ALSUP_24 (TF)** - to provide a comprehensive *block section* traffic control system.

For more details see the full traffic control manual **TRAFFIC_MAN**.



BRIEF TECHNICAL SPECIFICATIONS:

Typical Power Supply:	24VDC. Line Powered.
Power Supply Range:	14VDC to 32VDC (lower setpoint allows for voltage drop in long cable runs)
Display:	36 red L.E.D.s @ 4000mcd shaped as a cross. 36 green L.E.D.s @ 3000mcd shaped as an arrow.
Red display current:	70 milliamps @ 24V (red positive, grn negative).
Green display current:	70 milliamps @ 24V (grn positive, red negative).
ABS/Polycarb Enclosure:	IP67 rated. Dimensions = 250mm H x 175mm W x 75mm D.



Simple Usage as Stop / Go Indicators