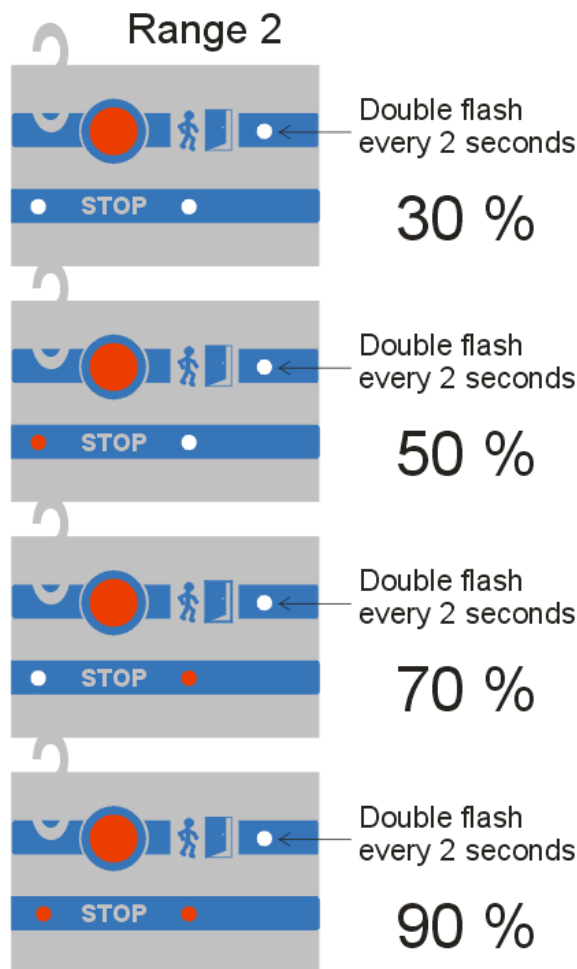
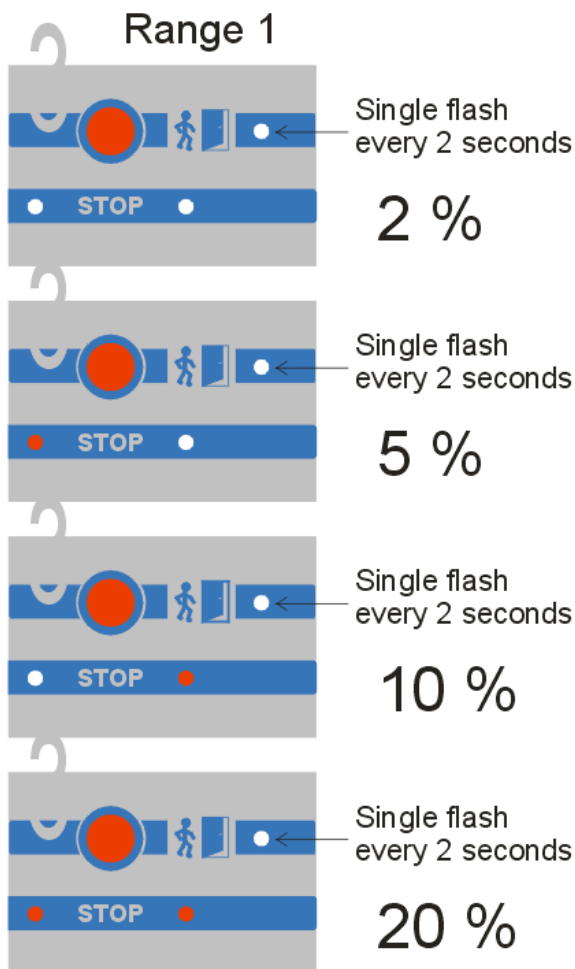
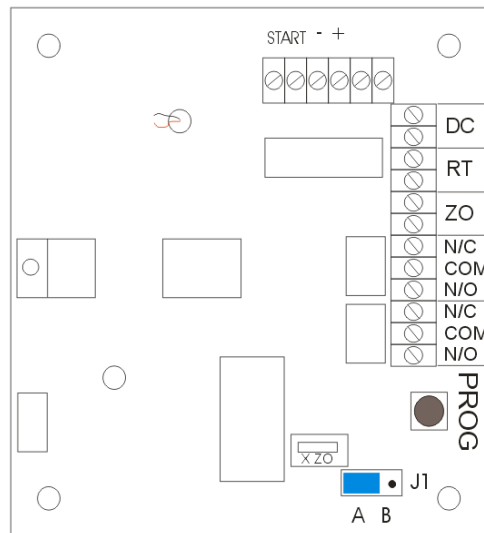


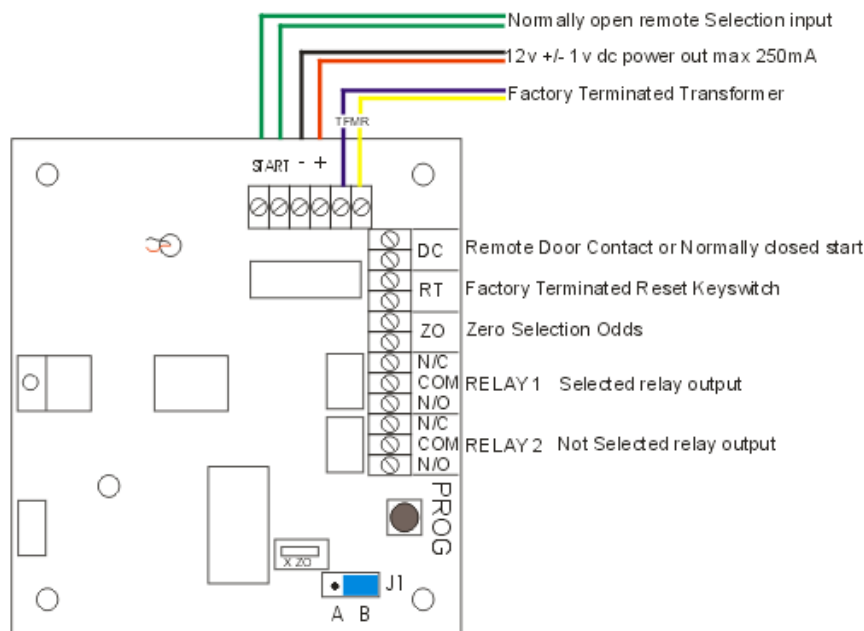
Stop 'n' Search TAG3 Installation Instructions

- Connect the mains supply to the terminals in the backbox.
- When first powered all indicators illuminate and the buzzer beeps twice to demonstrate that all is well.
- The factory default selection rate is 20%. However, the unit has an Non Volatile Memory (NVM) to store the latest selection rate even if power is lost.
- Press the panel button to start selection.
- A green indication with a 'Whoop Whoop', tone indicates not selected.
- Both red STOP indicators with a pulsed alarm tone indicates selected. This indication must be reset with the key.

To set the selection rate, (the percentage of people to be searched)

- Move jumper J1 from position B to position A.
- The indication on the front panel indicates the current setting.
- Repeatedly press the PROG button to change selection rate for that range.
- Press the front panel button to change ranges. When changing ranges, the unit single beeps for Range 1 and double beeps for Range 2.
- Once the required rate is displayed, move the jumper J1 back to position B. The unit sounds the 'Whoop Whoop' tone and is ready to use with the new selection rate.





Overview of inputs and outputs

'START' is a normally open input that connects across the front panel pushbutton. A momentary close of either initiates selection.

'DC' input is a normally closed input.

In mode 1 operation opening 'DC' initiates selection. The 'DC' input should be left open if the 'START' or the front panel pushbutton are being used to initiate selection.

In mode 2 operation, the 'DC' input is the normally closed door contact of the locked door and is used to control door open timers. If 'DC' is closed at selection mode 2 operation is assumed.

'RT' is a reset input that is factory terminated to the keyswitch. A close on this resets the unit after a selection has been made, there is a minimum 5 second indication before the 'RT' input can be acknowledged. The 'RT' input can be permanently linked out to give a 5 second indication if selected.

'ZO' is a normally open input and when closed the unit, whilst appearing to operate as normal, will never select anyone. This function can be permanently disabled by cutting out the resistor marked 'X ZO'.

Relay 1 provides a clean changeover contact rated 1 A @ 30vdc. This relay follows the selected indication.

Relay 2 provides a clean changeover contact rated 1 A @ 30vdc. In mode 1 operation, this changes for approx. 1 second when the unit indicates not selected. In mode 2 operation this relay changes over for a min 5 seconds when not selected indicates, this allows a door to be released and then used.

Operational Modes

In general, the TAGIII has two modes of operation. Mode 1 operation covers using the unit without a door lock and Mode 2 covers using the unit with a door lock.

Mode 1 operation

Selection can be initiated in three ways, the front panel pushbutton, closing the START input or opening the DC input. If not selected, the relay 2 will switch for the duration of the indication (approx. 1 second), the green led will indicate and if initiated by the panel pushbutton or the start input, the unit will Whoop Whoop. If initiated by the DC input, it will remain silent. If the DC input is left open it will be ignored. Relay 2 can be used for data-logging, as it switches whenever the unit is used, but not selected. As the not selected indication is only for approx. 1 second, it can also be used in high volume applications without much impact on flow. If the START input or the front panel pushbutton are held closed for longer than 5 seconds after selection, an audible alarm will indicate until they are released.

Mode 2 operation

This can be initiated in two ways, the front panel pushbutton and closing the START input. The DC input MUST be closed at the time of selection. If not selected, the green led will indicate, the unit will Whoop Whoop and the relay 2 will switch for 5 seconds to release a door. If the DC input is not opened, the relay will clear after the 5 seconds. If DC is opened, the relay 2 will remain switched for a maximum 10 seconds from opening DC. If DC closes the indication clears and the unit is ready for the next selection. If DC is left open beyond the 10 seconds, an audible alarm will sound until DC is closed. These timers are maximums. If not selected, and DC is opened after 1 second and then closed 1 second later, the next selection can be made 2 seconds after the first selection. If the START input or the pushbutton are held closed for longer than 5 seconds after selection, an audible alarm will indicate until they are released.

If selected in either operation mode, the red leds will indicate and a alarm tone will be heard for a minimum of 5 seconds. The RT input must be closed after the 5 seconds to clear the indications. If RT is not closed, the leds will remain illuminated and the alarm tone sound every 10 seconds until RT is closed.