Tech Tips

Brigade
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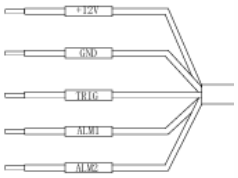
Ref: TT0049
V1.0

General - TU-001 Thumbs Up Display Trigger Output

Related Products – TU-001

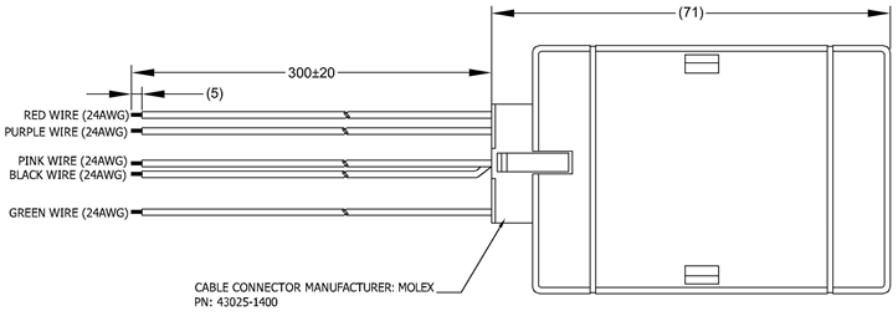
With the release of the **TU-001 (8454)**, it has come to our attention that the current of the output triggers (Green and Blue) differs from the expected behaviour and capabilities of similar triggers used across other Brigade products, this being the output current is limited to **0.1 mA**. While this is sufficient to activate digital inputs, such as AI ECU triggers, it cannot power standard analogue (12v DC) devices, including relay coils. As a result, the output triggers may not be suitable for products that require a higher current output

FLY LEADS	
COLOUR	DESCRIPTION
RED	+12V
BLACK	GND
BROWN	TRIG
GREEN	ALM1
BLUE	ALM2





To turn this into an output that can be used by an analogue input the TS01 (6516) can be used. The TS01 provides constant power from digital trigger inputs and can give enough current to power analogue inputs. They can be triggered using the 0.1mA input of the TU-001, this then gives an output of 1.8A (12V DC) which is sufficient to power or trigger other Brigade devices. If you are using the TS01 to change the output, then the TU-001 and the TS01 both will need to be powered.



WIRE	PART NO. 6504 LS-TS01 CONNECTIONS	PART NO. 6505 LS-TC01 CONNECTIONS	PART NO. 6506 LS-TC47 CONNECTIONS
BLACK	POWER SUPPLY NEGATIVE (0V)	POWER SUPPLY NEGATIVE (0V)	POWER SUPPLY NEGATIVE (0V)
RED	POWER SUPPLY POSITIVE +12/24VDC	POWER SUPPLY POSITIVE +12/24VDC	POWER SUPPLY POSITIVE +12/24VDC
PINK	PULSED INPUT 1	SWITCH INPUT	SWITCH INPUT
GREEN	PULSED INPUT 2	ALARM INPUT	ALARM INPUT
PURPLE	SWITCH POWER OUTPUT +12/24VDC	SWITCH POWER OUTPUT +12/24VDC	SWITCH POWER OUTPUT +12/24VDC

More information about installing and operating the TS01 can be found in the Instillation & Operation Guide.

Where to find this and other Tech Tips on the website



With the release of the **TU-001 (8454)**, it has come to our attention that the functionality of the output triggers (Green and Blue) differs from the expected behaviour and capabilities of similar triggers used across other Brigade products. Specifically, the output current is limited to **0.1 mA**. While this is sufficient to activate digital inputs, such as AI ECU triggers, it cannot power standard analogue (12v DC) devices, including relay coils. As a result, the output triggers may not be suitable for products that require a higher current output.