

Part Number: TLEG 0721

Thank you for choosing from the ASSA ABLOY Infrared Touchless Actuator range. This installation guide and user manual will enable you to install and operate the product safely and to its full potential. Please ensure you read this manual completely before using the product.

Utilising the latest in Active Infrared technology, the ASSA ABLOY Touchless actuators provide a totally contactless solution for door Egress and Request to Exit applications. The Actuators provide both a Latching and Timed Output option for increased flexibility. Read range is also adjustable from 4cm to 15cm, making the ASSA ABLOY Touchless actuators the ideal solution for use as a stand-alone product or integrated into any Access Control, Intercom, Keypad or Card Reader system.

Models available:

TLEG010	ASSA ABLOY Touchless Egress button, Stainless Steel, 25mm Sensor, Wall Plate style
TLEG020	ASSA ABLOY Touchless Egress button, Stainless Steel, 25mm Sensor, Architrave Plate style

Important Safety Instructions and Warnings

- Read and follow all instructions prior to installing and using this product.
- These instructions should be kept by the end user for future reference.
- These instructions or a full copy of these instructions should be provided to the user.
- Obey and heed all warnings on the product and in the manual.
- Ensure the functionality, specification, and configuration of the TLEG Infrared Touchless Actuator is befitting for the intended application and environment.
- Do not use this unit near excess water or moisture not typical to natural rainfall and installation practices i.e., installed in a door frame/enclosure.
- Clean with a dry cloth only, do not use chemicals.
- Avoid prolonged exposure to direct sunlight or heat.
- This product is not suitable for environments with explosive or flammable atmospheres.
- Only use attachments, accessories and fixings as specified by the manufacturer.
- Refer all servicing to qualified service personnel. Servicing or replacement is required when the unit has been damaged. This may include either mechanical or electrical defects. This may also include ingress of liquid spilled or objects that have fallen into the unit or if the unit has been exposed to excessive rain or moisture and no longer operates normally. Do not attempt to service this product yourself.
- Opening or removing covers may expose you to dangerous voltages or other hazards.
- To prevent risk of fire or electric shock ensure the power supply or system is suitable for this product in addition to any other units already sharing the same power supply or system.
- Do not let objects or liquids enter the product as they may prevent correct operation (possibly preventing door access or short-out parts that could result in a fire or electric shock).
- Modification of this product in any way may affect both its functionality and compliance status and will void any warranty and claim to compliance or ratings/performance.
- Ensure the correct power supply is connected. **DO NOT connect AC mains power to this product.**
- Ensure the switched load through the relay does not exceed the relay rating (relay rated for 1 Amp@30VDC (Max), **NOT SUITABLE FOR MAINS USE.**
- This product is **NOT** designed to operate or switch AC voltages including AC mains voltages. Doing so may result in serious injury or damage.

- Timed or Latching Output mode selection
- Adjustable Timed Output selection from 0.5 to 30 Seconds
- 25mm IR Sensor with adjustable read range from 40mm to 150mm
- Available in Wall, Square and Architrave Plate configurations
- Normally Closed (NC) & Normally Open (NO) Output Relay
- Relay rated for 1 Amp at 30VDC (Max), NOT SUITABLE FOR MAINS USE
- 12 to 24VDC Operation
- Maximum current consumption – 21mA @ 12VDC
- Red & Green Bi-Colour LED Ring with reversible action
- IP65 Rating (exterior face only) for external applications

Specifications


Operating Voltage	12VDC to 24VDC (+/-10%)
Operating Current @ 12VDC	Standby: 14mA Activation: 21mA
Relay Rating	1 Amp at 30VDC (Max)
Output Type	COM / NC / NO Relay
Output State	Toggle or Timed 0.5 to 30 seconds
Read Range	40 mm – 150mm (+/-25%)
Weather Rating	IP65 (exterior face)
Status Indicator	Red & Green LED ring, operation reversible
Operating Temperature	-10°C to +70°C
Dimensions	TLEG010 – 115 mm x 70mm TLEG020 – 115 mm x 39mm



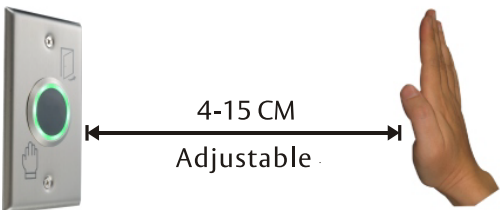
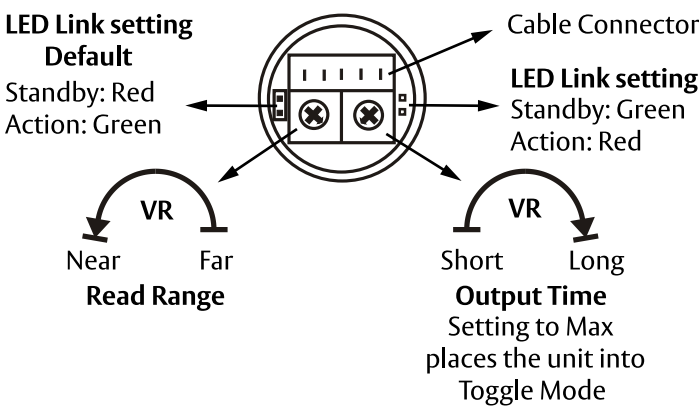
Wiring Connections

Before connecting power, check voltage and polarity of the power supply. An incorrect setting could damage the Touchless Actuator.

Ensure current drawn through the Actuator Output Relay does not exceed 1 Amp @ 30VDC

Colour	Connector Description	
Brown		Output - NO
Blue		Output - COM
Green		Output - NC
Brown		Input - Ground
Red		Input - +12-24VDC

Adjustments & Settings



Troubleshooting

LED Indicator does not change colour and Output Relay does not change state	<ul style="list-style-type: none">• Ensure Infrared Sensor is clean• Ensure no object or obstacle is within 30cm and 60 degrees of the sensor• Check Input Voltage is within specification• Check Input Voltage Polarity is correct• Check Output Timer setting is not in Toggle mode• Check that the Read Range isn't set too short
No LED Indicator Operation	<ul style="list-style-type: none">• Check Input Voltage is present and within specification• Check Input Voltage Polarity is correct
Output is always Active	<ul style="list-style-type: none">• Ensure no object or obstacle is within 30cm and 60 degrees of the sensor

Maintenance

Clean with a dry cloth only, do not use chemicals.

RCM Declaration of Conformity (DoC)



Hereby, ASSA ABLOY Australia Pty Ltd declares that the TLEG Infrared Touchless Actuators are in compliance with the Regulatory Compliance Mark (RCM) for Australia and New Zealand.

Faults, Repairs & Returns

This product contains no user serviceable parts. Please contact your local supplier.

Storage and Transport

The product should be transported and packed in its original packaging.

Dismantle & Environment

Dispose of packaging and product in a responsible manner, this may include recycling at your nearest recycling centre. Including the re-use and recycling of the materials & packaging of this product. Contact your local authority to find the nearest electrical and electronic equipment waste disposal point. This product must not be disposed of with regular household waste.

