



# TAPESWITCH CONTROL UNIT TYPE PSSZ-2 INSTALLATION INSTRUCTIONS

## 1. INTRODUCTION

Read the whole of these instructions before beginning installation.

The unit should be installed by persons familiar with these instructions and the safety guidance applicable in their particular country.

Tapeswitch pressure-sensitive safety systems are intended to protect operators working at or near dangerous equipment. They can only perform this function if they are correctly fitted and interfaced to suitable equipment. It is essential that the full contents of these instructions and all the authoritative documents referred to herein are fully understood before any attempt at installation is made. If in doubt contact Tapeswitch or your Tapeswitch distributor.

## 2. PRODUCT DESCRIPTION

Tapeswitch PSSZ-2 interface units are designed to be used with Tapeswitch pressure-sensitive sensors that have the SLZ lead option to form part of a safety-related control system. They cannot be used with any other lead configuration.

The unit operates from a 24V d.c. supply and provides 2 solid-state volt-free contacts which are closed when the sensor circuit is healthy and is not operated. Disconnecting or operating the sensor opens both the output contacts.

The unit does not provide any restart interlock function to prevent re-initialisation of a machine when the clear condition of the sensor is restored. **THIS RESTART INTERLOCK MUST BE PROVIDED ELSEWHERE IN THE SAFETY-RELATED CONTROL SYSTEM.** The unit meets the requirements of EN954-1 Category 3 when used with the means to monitor the output contacts for equivalence.

An LED on the top of the unit shows the status of the outputs, as follows:

Green	Outputs closed (ON)
Red	Outputs open (OFF)

## 3. TECHNICAL SPECIFICATION

Safety category	Category 3 (EN954-1)
Power consumption	<1VA
Response time	<10ms
Temperature range	0°C to 50°C
Supply voltage	24Vdc
Safety outputs: Device type Contact type/quantity Contact rating	<b>Solid-state relay</b> 2 x Normally Open 0.1A @ 24Vdc
Enclosure: Protection rating Terminal capacity Material	<b>IP20</b> 2 x 1.5mm <sup>2</sup> Polycarbonate

## 4. CONNECTIONS

Connect the unit as in the diagram below.

The sensor input is bi-directional and so the orientation of the connections to C and D is not important.

