

NEW MK III INTELLIGENT TEST BOX

FOR PEDESTRIAN SLIDING DOORS



Cable terminal box for security system multi-core cable with interface for Portable Engineer's Terminal

Significant **HEALTH AND SAFETY** benefits when maintaining and operating pedestrian sliding doors

FULLY COMPLIANT TO NOMS STD/E/SPEC/012 AND RELEVANT BS STANDARDS

Dual safe edge controllers

Keyed, sensor-beam disable with large red warning red LED

Status indicator LEDs for maintenance and testing

Tough, steel construction

CAN BE RETROFITTED TO EXISTING FOLKNOLL MK II INTELLIGENT TEST BOXES

Compatible with most NOMS complaint sliding door drives

ELECTRIC, PEDESTRIAN SLIDING DOOR DRIVE

The Folknoll Electric Pedestrian Sliding Door Drive has been designed for use in **HM Prison Service** and similar high security institutions. The drive is fully compliant with Home Office specifications and is compatible with SMS and locking control systems. The drive is intended as a '**SAFER**' alternative to traditional hydraulic powered doors for new and existing installations.

SDD 9001-003: INTELLIGENT TEST BOX

Intelligent Test Box provides cable termination, safe edge control, status indication and a Portable Engineer's Terminal connection for NOMS compliant electric pedestrian sliding door drives. This unit is supplied as standard in new Folknoll MK II electric pedestrian sliding door drive.

CABLE TERMINATION

The enclosure acts as a junction box connecting the multi-core security system control cable to the drive control cables. The multi-core cable is terminated directly in the Intelligent Test Box, no need for additional terminals, breakout cables, etc. reducing the risk of cabling faults and system downtime.

SAFE EDGE CONTROLLER

The MK III intelligent test box includes new dual safe edge controllers to comply with the latest UK and EU standards.

SENSOR BEAM DISABLE

The front panel has a keyed switch to disable the sensor beams for maintenance and testing, with a large warning LED to warn when the beams are switched off.

STATUS INDICATOR LEDS

The lid is fitted with 12 LEDs indicating the current status of sensors and drives. The status information helps maintenance engineers provide quick, easy, accurate, fault diagnosis, reducing system downtime and maintenance costs.

PORTABLE ENGINEER'S TERMINAL INTERFACE

The test box also offers a connection point for a Portable Engineer's Sliding Door Terminal. Connecting a Portable Engineer's Terminal isolates the security control system and provides local control of the door drive. Isolating the drive mechanism prevents remote operation of the drive during maintenance. For **HEALTH AND SAFETY** reasons Folknoll always recommend the use of a Portable Engineer's Terminal during installation, commissioning, testing, maintenance, etc.

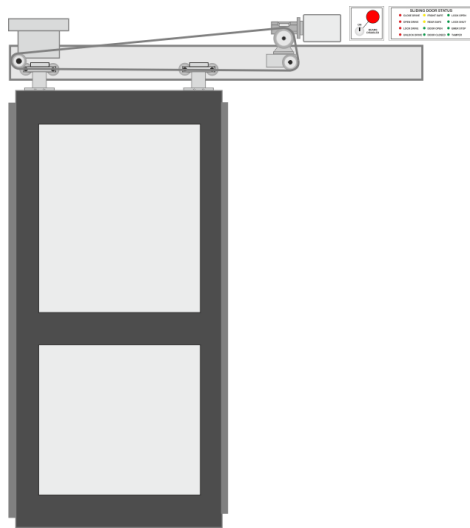
RETROFIT TO MK II AND THIRD-PARTY DRIVES

Out MK III Test Box has been designed to fit the MK II back box and can be easily retrofitted to existing systems. As part of our commitment to the Folknoll **OPEN SYSTEMS POLICY** our Intelligent Test Box is also compatible with most compliant third-party door drives and can be used to add safe edge controllers, sensor-beam disable, status indication and a Portable Engineer's Sliding Door Terminal connection point to existing door third-party drives.

SPECIFICATIONS

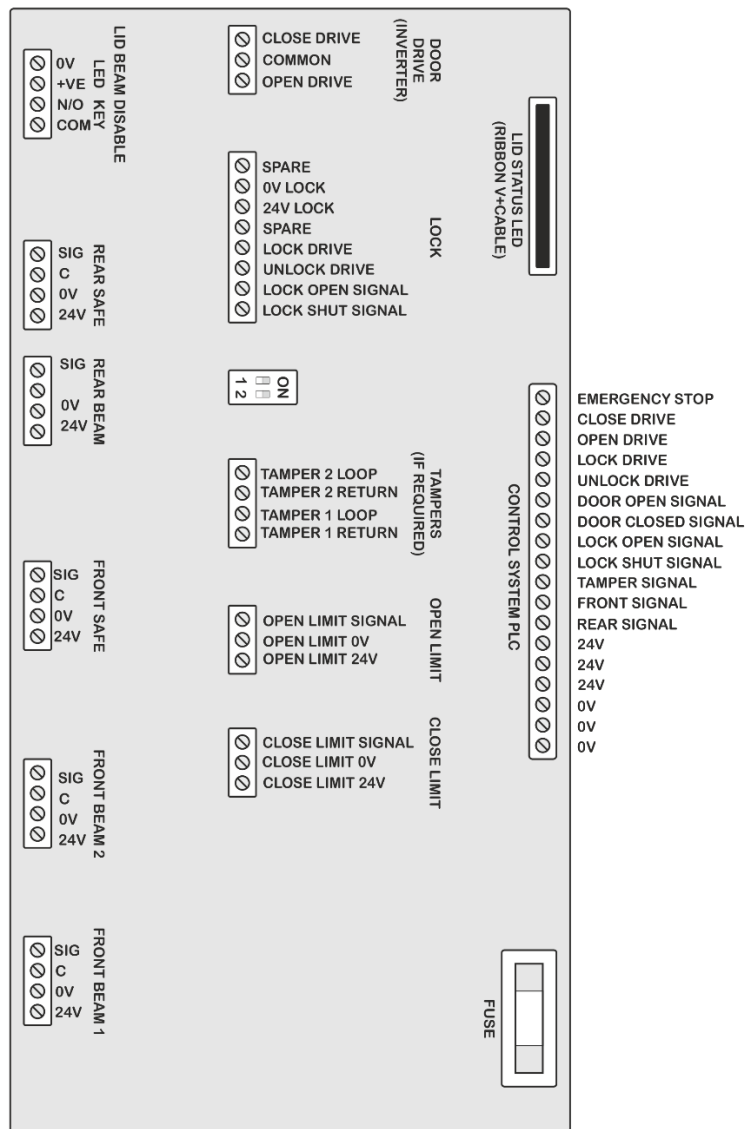
Enclosure:	Steel, white panted finish with black annotation
Dimensions (Lid and back box):	Width: 350mm, height: 198mm, depth: 130mm (approx.)
Dimensions (Lid only, for retrofitting to existing MK II back boxes):	Width: 350mm, height: 198mm, depth: 30mm (approx.)
Dimensions (Back box only):	Width: 350mm, height: 198mm, depth: 130mm (approx.)
Mounting:	Custom surface mount back box (available from Folknoll)

APPLICATION



Our Intelligent Test Box is typically mounted in the pelmet over the Pedestrian Sliding Door

CONNECTIONS





Conformity



The design type of the product complies with the basic requirements of the following directives:

- 2006/42/EC (Safety of machinery)
- 2011/65/EC (RoHS)
- 2014/30/EC (EMC)

The Declaration of Conformity is available in the download section of the website:
www.maysер.com

EC design test

The product was tested by an independent institute.
An EC design type test certificate confirms conformity.

The EC design type test certificate is available in the download section of the website:
www.maysер.com

Technical data

SG-EFS 104/2W	AC 24 V	DC 24 V
Test principles	EN 12978, ISO 13849-1, ISO 13856-1, ISO 13856-2, ISO 13856-3	
Supply voltage U_s		
Voltage tolerance	-10 % to + 10 %	-10 % to +10 %
Nominal current	70 mA	60 mA
Nominal frequency	50 to 60 Hz	–
External protection	200 mA slow-acting	200 mA slow-acting
Power consumption	< 4 VA	< 3 W
Times		
Reaction time t_a	< 15 ms	< 15 ms
Re-start time t_w	< 50 ms	< 50 ms
Safety classifications		
EN 1760: reset	with/without	with/without
ISO 13849-1:2006	Category 3 PL d	Category 3 PL d
MTTF _d	257 a	257 a
DC _{avg}	60 %	60 %
B _{10d} (Load: DC 24 V / 1 A)	1.8× 10 ⁶	1.8× 10 ⁶
n _{op} (estimate)	52560 per year	52560 per year
CCF	Requirements fulfilled	Requirements fulfilled
IEC 60664-1: creep distance and air gap	Contamination level 2, overvoltage category III / 250 V, basic insulation	Contamination level 2, overvoltage category III / 250 V, basic insulation



EC & UKCA DECLARATION OF CONFORMITY



Name: Folknoll Group Ltd

Address: 19 Old North Road
 Royston
 Hertfordshire
 SG8 5DT

Declare under sole responsibility that the product:

Product Name: Sliding Door Test Box
 Product Type / Model: Test Box / Sliding Door Test Box
 Year in which CE mark was affixed: 2020

To which this declaration relates is in conformity with the following standards:

EN61000-6-3	2007 + A1:2011	Generic Emission Standard for Residential, Commercial and Light Industrial Environments
EN61000-6-1	2019	Generic Immunity Standard for Residential, Commercial and Light Industrial Environments
EN61000-4-2	2009	ESD Requirements
EN61000-4-3	2006 + A1 + A2	Radiated Susceptibility
EN61000-4-4	2012	Electrical Fast Transient Burst Requirement
EN61000-4-5	2014	Surges Requirements
EN61000-4-6	2014	Conducted Susceptibility
EN61000-4-8	2010	Magnetic Field Immunity
EN61000-4-11	2004	Voltage Dips and Interruptions

Following the provisions of the EU EMC Directive 2014/30/EU and UK Electromagnetic Compatibility Regulations 2016

Royston, Hertfordshire, England, U K

Brian Perryman

(Place of Issue)

(Name of Authorised Person)

(Date of Issue)

(Signature of Authorised Person)

10/7/21

B Perryman

Tests were carried out at Electromagnetic Testing Services Ltd and are documented in test report ETS/B3470/EN

www.etsemc.co.uk

ISSUE DATE: 07 JULY 2021

ABOUT FOLKNOLL

We are a UK based systems design, manufacturing and installation company. Since 1975 we have been supplying tough, reliable, practical, alarm and control systems for the private and public sectors. All of our products and systems have been designed for easy installation and low maintenance by experienced engineers. As original manufacturers, all of our products and systems can be customised to suit your requirements. We also offer individual annotation, custom engraving and special finishes for all of our equipment.

GET IN TOUCH

Please contact us for further information about our wide range of products and services and find out how we can provide a solution for you.

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