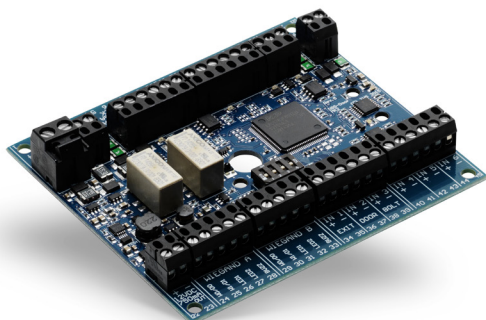


## DATA SHEET

### Sentrion – DOOR CONTROL MODULE

#### DSS-DOOR 2



#### MAIN FUNCTIONS

- ▶ Certified for Alarm class 4 (SSF 1014, edition 5), compliant with Security Grade 4 (EN 50131-1, EN 50131-3)
- ▶ Environmental class II
- ▶ Addressable via DIP switch (15 positions)
- ▶ 2 card reader interfaces, Wiegand or RS-485 (OSDP v1/v2)
- ▶ 6 supervised inputs
- ▶ 2 relay outputs
- ▶ 2 Open Collector outputs
- ▶ 12 VDC Power output (750 mA max)
- ▶ Optical tamper detection, pluggable terminal blocks
- ▶ Automatic reader detection

DSS-Door2 is an input/output module that communicates with a Sentrion controller using RS-485.

DSS-Door2 supports automatic card reader detection and can control two card readers using either the RS-485 interface (OSDP v1/v2) or the two Wiegand interfaces. The readers can either be used for a single in/out door or two different doors. The module is primarily designed for door control, but it can also be used as a dedicated I/O module with 6 inputs for alarm detection loops and four outputs for external control. DSS-Door2 can provide 12 VDC output up to 750 mA, independently of the input voltage. Different enclosures are available depending on the security requirements of the customer. A certified enclosure is required for Alarm class compliant installation.

#### TECHNICAL SPECIFICATIONS

DIMENSIONS	90 x 80 x 15 mm (PCB)
WEIGHT	69 g
ENVIROMENT	-10°C - +40°C, Environment class II
POWER INPUT	12-24 VDC (-10%/+20%)
POWER CONSUMPTION	87 mA @ 27 VDC (3,0 W) max - excluding external loads
COMMUNICATION	1 x RS-485 for communication with controller
READERS	2 x Wiegand (D0, D1, LED1, LED2, BUZZ) or 2 x RS-485 (OSDP v1/v2)
READERS POWER OUT	12 VDC (max 750 mA)
INPUTS	6 supervised inputs (max 20 kΩ loop resistance)
OUTPUTS	2 relay outputs (voltage output (1A max) and C/NO/NC (1A/30V max), 2 Open Collector outputs (max 100 mA, active low)
STATUS INDICATORS	LEDs indicating power, communication, internal status, and individual output status

#### CERTIFICATION AND COMPLIANCE

SBSC certified: Certificate number 16-269, Compliant with Alarm class 4 (SSF 1014, edition 5), Security Grade 4 (EN 50131-1, EN 50131-3), Environmental class II, EMC: CE 61000-6-3 Residential, 61000-6-2 Industrial RoHS compliant

#### ACCESSORIES

ARTICLENR	TYPECOD	DESCRIPTION
310 002 429	DSS-DOOR2-003	Door controller with enclosure (plastic)
310 002 421	DSS-DOOR2-004	Door controller with enclosure (SSF approved)