DIRAK®
modular hardware systems

Product Information 102e

HID-485
E-LINE

DIRAK provides a user friendly and reliable method for monitoring access to server cabinets via electromechanical E-LINE swing-handles and master control software. With the E-LINE system, the user is able to:

- Monitor the entire access system to server cabinets from a single workstation.
- Lock all cabinets to prevent unauthorized access.
- Provide an automated documentation trail of all authorized and unauthorized attempts to access server cabinets.
- Provide on-going monitoring of server cabinet access. Monitoring capability is ready for team work and maintenance carried out in cabinets. Monitoring capabilities includes the detection of doors accidentally left open.
- Block authorized access for defined periods of time during data backups thus preventing inadvertent patching of data servers.
- Provide access to server cabinets even during power outages.
- Configure the software to protect particularly sensitive data by multiple authentications. This is accomplished by requiring authorization of two or more authorized users before granting access to server cabinets.
- Use compatible E-LINE products working in network with each other to ensure the optimum network structure, despite different local conditions.
- Forget about lost keys. The locking systems never need to be exchanged because the software can easily deny access to lost or stolen keys.
- The combination of different E-LINE products guarantees the most cost efficient solution for your application.

HID-485 Integration

Connected into an existing TCP/IP network, this equipment manages communications between the TCP/IP network and the RS485 serial bus where all swing handles are linked together.

The HID-485 is highly recommended for data centers where there are large numbers of server cabinets. Up to 250 swing handles can be integrated on each of the DIRAK gateways.

Access control at the server cabinets

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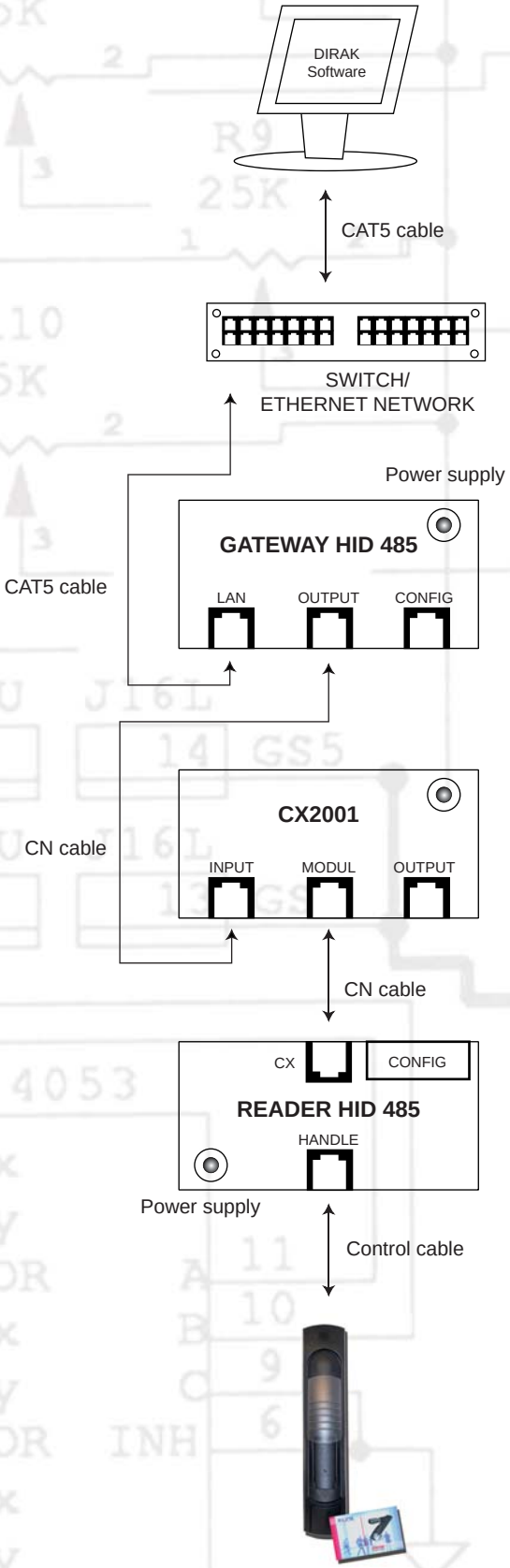

Handle Electronics	
Two-piece hardware construction	E-LINE Swinghandle and reader unit
Display	Multicolor status-LED
Reader	for 125 kHz transponder (HID 26 bit system)
Reader	
Housing	Reader unit in plastic housing, mountable by screws or self-adhesive pad
Power supply	12 V ± 10% (DC) via low voltage jack
Standby current (system remains operative)	40 mA (DC)
Max. current consumption (at coupling pick-up, without X-port operation)	440 mA (DC)
Current increase via X-port	125 mA (DC)
RS232 interface	RS 232 line (RXD, TXD, GND, reader present, PC present), 38.400 Baud
Connector cable (reader-to-handle electroncis)	8-pole, 200 cm, UL-stranded conductor AWG 26, one-face contact with integral RJ45 plug, one-face contact with crimped JST ZH connector ZHR-8
Relay output (via terminal screws)	2.5 mm², threaded on plug-in side, relay contact: 12 V, 3 A, 60 W, 120 VA, terminals 3 - 5
Door contact input (via terminal screws)	2.5 mm², threaded on plug-in side, terminal 1 and 2
RS 485 interface	RS 485 - line to gateway (+ / A, - / B), 38.400 Baud
Memory for transponder cards	2000 cards + 1 master transponder
Memory for events	500 events
Memory for time profiles	30 profiles
Integrated real time clock	with buffering up to 60 min at 25°C (77°F)
Temperature range	-20°C … +70°C (+4°F …+158°F)

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