dormakaba

INSTALLATION

RCI SSIK

SECURITY SYSTEM INTEGRATION KIT FOR RCI 3525 SERIES RACK HANDLE LOCKS

Package Contents

- EA-A01-002 Interconnect Box (1)
- EA-99-148 Door Switch (2)
- EA-W01-23-206-52 Latch Harness (2)
- EA-W52-206-52 Extension Harness (2)
- EA-A20-001 4-Position Screw Terminal (2)
- EA-A10-004 RJ45 Union (2)

Features

- Simplified integration of RCI 3525 series rack handle locks into existing access control systems.
- Supports connection of two separate channels for independent system control.
- For indoor use only

Specifications

Dimensions: 64.6 x 64.6 x 25.6mm Interconnect Box
Length: 2 meter Latch & Extension Harnesses
Current Ratings: 8A for the 4-Position Screw Terminal
400mA for the Door Switch

NOTE: It is the installers responsibility to ensure electrical compatibility among all devices attached to the Interconnect Box.
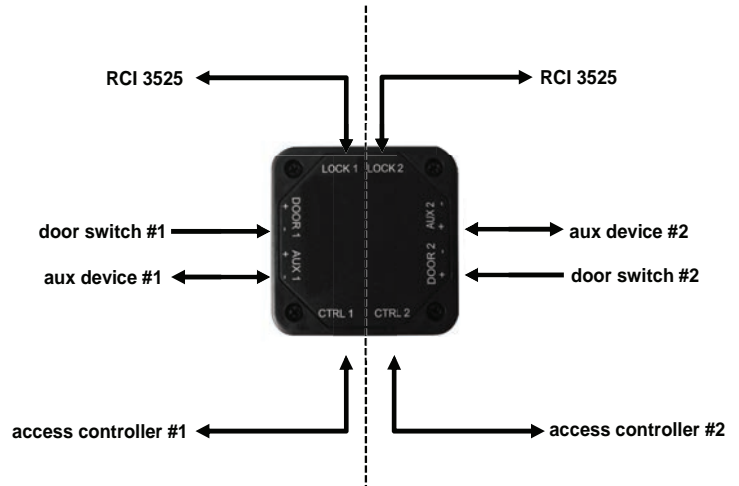Contact dormakaba technical support if assistance is required.

Mounting and Installation

The SSIK kit includes a latch harness, an RJ45 union and an Extension Harness for each channel.

The RJ45 Union and Extention Harness are provided to allow for a cabinet door to be easily removed during product installation or during maintenance.
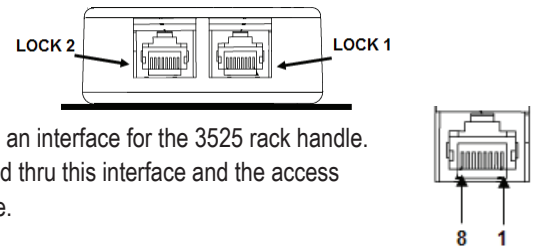
Interconnect Box

The Interconnect Box supports two separate channels for connecting an access control system, including auxilliary devices, to any RCI 3525 rack handle lock. The Interconnect Box allows for the passing of signals and 3525 power supply within a channel, but not across channels.

Each channel has three interfaces:
latch interface (LOCK) to connect the RCI 3525 rack handle lock
access controller interface (CTRL) to connect the access controller
auxiliary device interface (AUX/DOOR) to connect the provided door switch and an additional auxiliary device (ie buzzer, light or REX button)
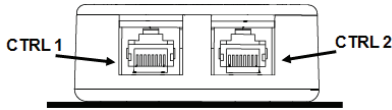
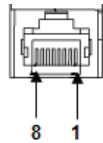## Interconnect Box Interfaces

Latch Interface

Each channel has an interface for the 3525 rack handle. Signals are passed thru this interface and the access controller interface.

Pin	Description	Function
1	DATA0	Wiegand DATA0 signal from 3525
2	DATA1	Wiegand DATA1 signal from 3525
3	CMD	Electronic unlock command signal to 3525
4	LATCH STATUS	Status signal from 3525. Will be LOW if the latch is either electronically or mechanically unsecured.
5	N/C	No connection
6	LATCH STATUS	Status signal from 3525. Will be LOW if the latch is either electronically or mechanically unsecured.
7	POWER	12-24 VDC power supply to 3525
8	GND	Ground connection. Common to 3525 and attached auxiliary components within a channel (not across channels)

Access Controller Interface.

Each channel has an interface for an access controller. The access controller(s) and connecting harness(es) are **not** provided in the kit. Each controller interface has the following pinout:.
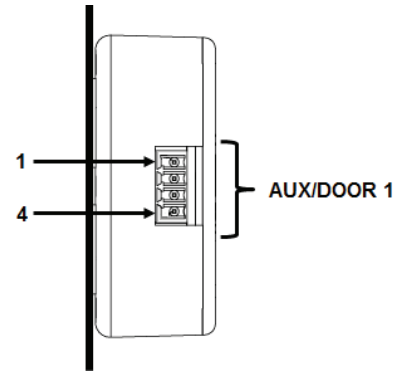

Pin	Description	Function
1	DATA0	Wiegand DATA0 signal from 3525
2	DATA1	Wiegand DATA1 signal from 3525
3	CMD	Electronic unlock command signal to 3525
4	AUX	Auxiliary signal. Can be used as either an input to or output from the controller.
5	LATCH STATUS	Status signal from 3525. Will be LOW if the latch is either electronically or mechanically unsecured
6	DOOR STATUS	Door status indicator to controller. GND when door is closed, otherwise "open". Must be used with door switch provided or customer supplied..
7	POWER	12-24 VDC power supply to 3525
8	GND	Ground connection. Common to 3525 and attached auxiliary components within a channel (not across channels)

NOTE: Review electrical specifications of the RCI 3525 rack handle lock to ensure compatibility with the access controller.
Contact dormakaba technical support if assistance is required.
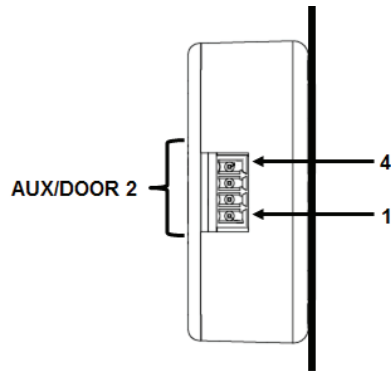
Auxiliary Device Interface

Each channel has an interface for connections to two auxiliary devices. The kit includes two EA-99-148 door switches. Use the screw terminals on the EA-A20-001 terminal block to secure connections for the auxiliary and door switch wires, then install the EA-A20-001 terminal block into the AUX/DOOR connector.
The screw terminals on the terminal block cannot be accessed after it has been installed and the junction box mounted, without removing the terminal block first.
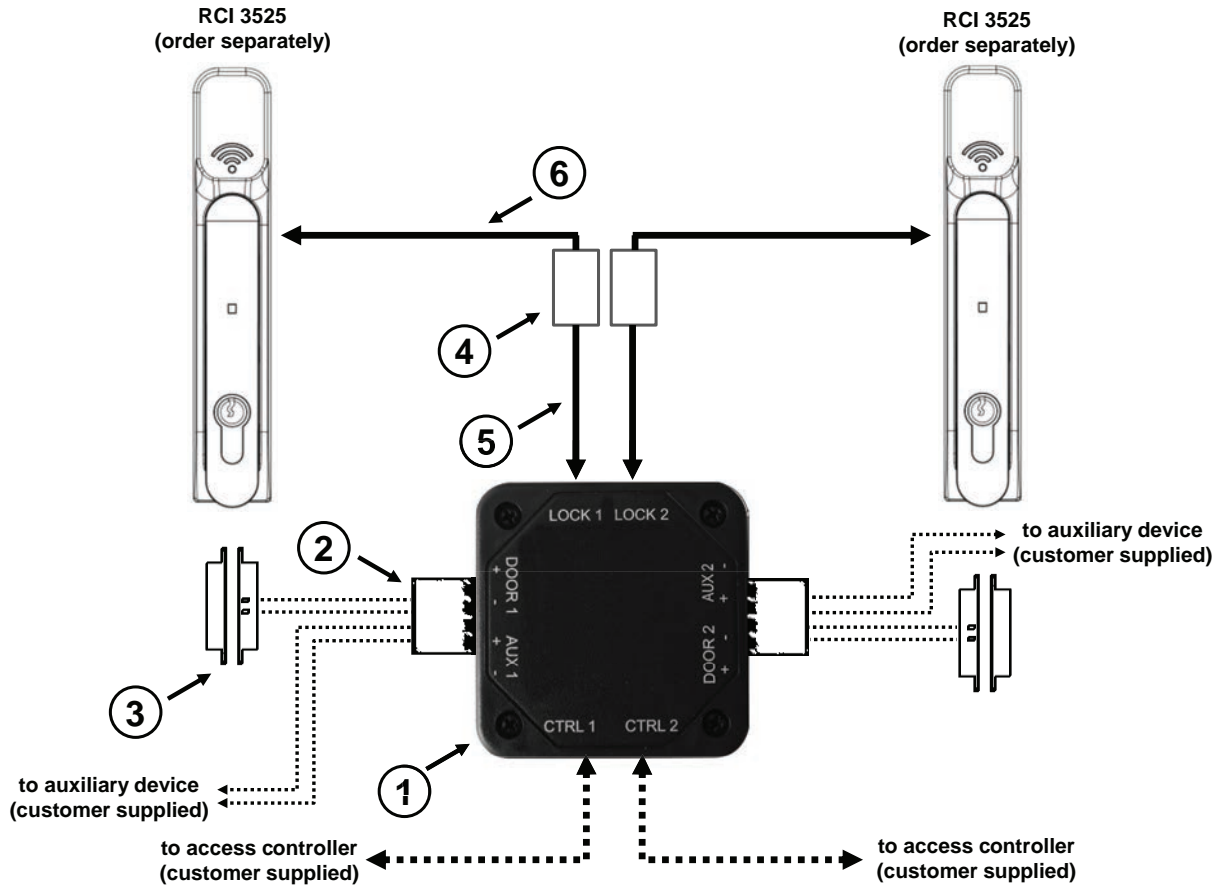

Pin	Description	Function
1	DOOR +	Input from door switch. Grounded when the switch is closed
2	DOOR -	Ground connection
3	AUX +	Auxiliary signal connection
4	AUX -	Ground connection.

Pin	Description	Function
1	DOOR +	Input from door switch. Grounded when the switch is closed
2	DOOR -	Ground connection
3	AUX +	Auxiliary signal connection
4	AUX -	Ground connection.

NOTE: Wire harness for the door switch and optional auxiliary devices are **not** included with the kit.

System Overview

Item	Qty	Part Number	Description
1	1	EA-A01-002	Interconnect Box
2	2	EA-A20-001	4-Position Screw Terminal
3	2	EA-99-148	Door Switch
4	2	EA-A10-004	RJ45 Union.
5	2	EA-W52-206-52	Extension Harness
6	2	EA-W01-23-206-52	Latch Harness..

T568A / T568B Pinout for Access Controllers Interface

Description	Pin	T568A		T568B	
DATA0	1		green / white		orange / white
DATA1	2		green		orange
CMD	3		orange / white		green / white
AUX	4		blue		blue
LATCH STATUS	5		blue / white		blue / white
DOOR STATUS	6		orange		green
POWER	7		brown / white		brown / white
GND	8		brown		brown