

# KDC-8

## 8 Door Concentrator



- Allows for the mounting of 4 PXL-500 *Tiger II Controllers* and 4 SB-593 *Expansion Boards* in a single cabinet for 8 doors of access control
- Locking metal enclosure
- Saves space in utility closet or other mounting area
- Easy backplane connections for less wiring
- Mountable in standard 19" IT Rack (with optional mounting rails) or on a wall
- Top, bottom and rear cable knock-outs
- Can also provide isolated lock power with KPS-11 Power Supply, configurable for lock power and control, or dry contact-only
- Toggle Switches for temporary on/off power to individual controllers
- External power and RS-485 communication status LEDs
- Compatible with both PXL-500P and PXL-500W Controllers

The KDC-8 allows customers to mount up to 4 PXL-500 *Tiger Controllers* and 4 SB-593 *Expansion Boards* in a single cabinet, saving valuable space in a utility closet, IT Rack, or wherever the access controllers are located. Individual controllers are connected to a backplane, which then contains all external connections to the system, such as power RS-485, card reader, request to exit, door sense switch, and auxiliary I/O.

The 8 Door Concentrator was designed as a locking metal, IT Rack-Mountable enclosure with sufficient cable conduit knock-outs to provide maximum installation flexibility. When used with Keris's KPS-11 10 Amp, 10 output Power Supply, the KDC-8 can supply not only controller/reader power, but also isolated, combined lock power and lock control. Individual toggle switches for each controller allows technicians to easily power the controllers on and off during installation.



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# KDC-8

## 8 Door Concentrator

### Specifications

#### Size (Box only)

15.00" T x 17.00" W x D 6.50" D  
 (38.1cm x 43.2cm x 16.5cm)  
 Add 0.25" for lid area (0.64cm)

#### Weight

15.7 lbs., 7.1 kg, (empty)  
 17.9 lbs., 8.1 kg, (fully loaded)

#### Power Requirements\*

None by itself  
 Add 125mA for each PXL-500 (nominal)  
 Add 125mA for each SB-593 (nominal)  
 Add 40mA for each relay when active  
 Add specified amount for reader  
 (see individual data sheets)  
 Add specified amount for locks and  
 other devices

\* Keri recommends use of KPS-11  
 12VDC@10A Power Supply

#### Operating Environment

32F to 140F (0C to 60C)  
 10%-90% Humidity (non-condensing)

#### Communication

RS-485, 9600 Baud  
 To PC: RS-232 Serial, Modem or TCP/IP

#### Material

18 Gauge Steel (Chassis)  
 16 Gauge Steel (Door)

#### Conduit Knock-Outs

USA (8)  
 European (8)  
 1-1/8" (10)

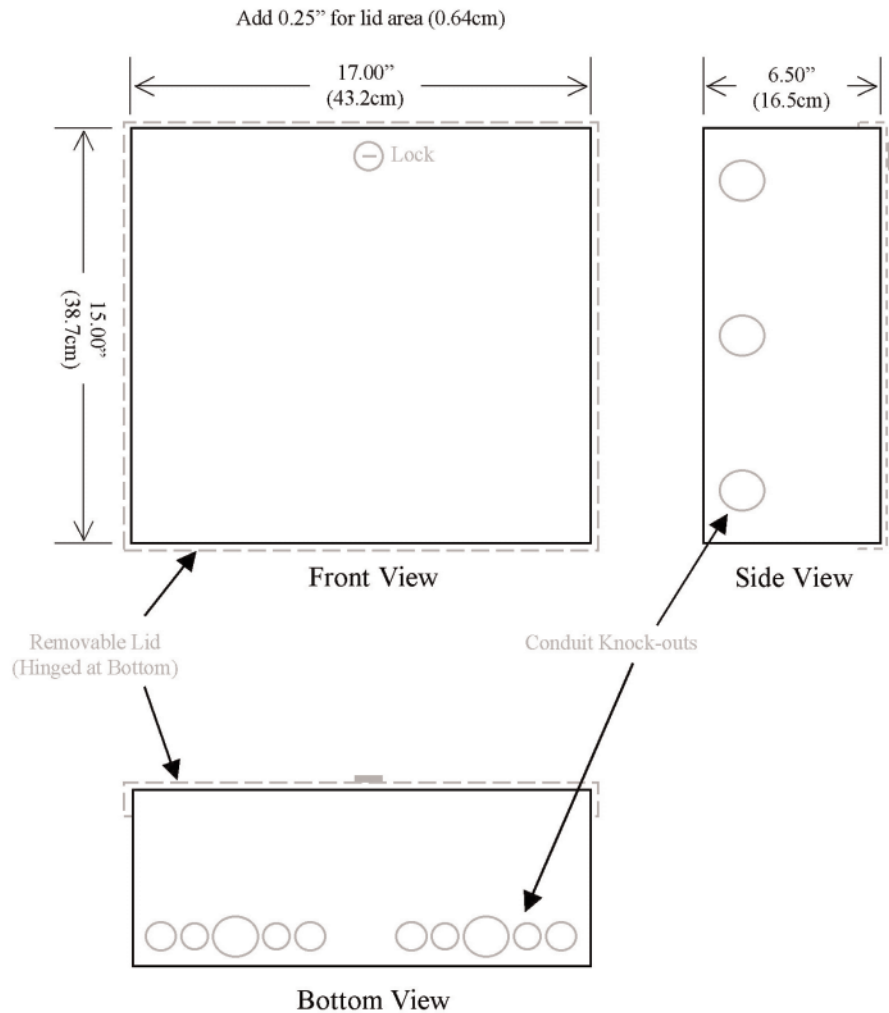
#### Mounting

Wall, or standard 19" IT Rack  
 (with optional mounting rails)

#### Color/Finish

Black Enamel

P/N 01757-001



Specifications subject to change without notice.

### Part Numbers

KDC-8 8 Door Concentrator  
 DCR-2 Mounting Rails for IT Rack (pair)



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