

ENFORCER[®] VIDEO

MANUAL

RD-304-D1Q

(Power Adapter Included)

RD-304-D2Q

(Power Adapter Not Included)

Data Distributor



The ENFORCER RS-485 Data Distributors transmits a single RS-485 or RS-232 to input to four (4) RS-485 outputs. The Data Distributor can be used with any RS-485 controlled camera, and can control up to 64 RS-485 controlled cameras by using multiple units in a daisy-chain (home-run) configuration.

- Range: Up to 4,000' (1,200m)
- Connect up to 64 RS-485 cameras or devices
- Input: RS-485 or RS-232
- Output: Four (4) RS-485
- RD-304-D1Q includes 12VDC power adapter
- Mounting bracket and rubber feet included
- Built-in surge protection
- Built-in signal isolation
- Dual colored LED: Red – RS-485 activity
Blue – Power ON

SLI[®] SECO-LARM[®]

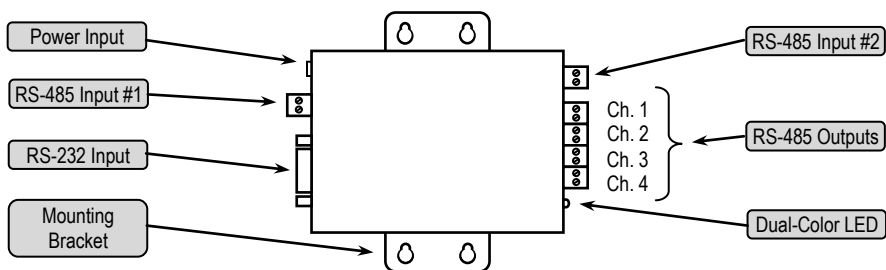


NOTE: Products with a model number that ends with "Q" or have a round green "Q" sticker represent RoHs compliant products.

Specifications:

Max. number of inputs	Two (2)	
Input connectors	One (1) RS-232 / two (2) RS-485	
Output	Four (4) RS-485 terminal blocks	
Power supply	12VDC 500mA adaptor (RD-304-D1Q only)	
Current draw	350mA	
LED Indicators	Blue	Power ON
	Red	RS-485 activity
Operating temp.	32° ~ 113° F (0° ~ 45° C)	
Dimensions	4 ³ / ₈ " x 3 ³ / ₄ " x 1 ¹ / ₈ " (111 x 95 x 29 mm)	
Weight	15 oz. (425g)	
Material	Metal	

Figure 1: Data Distributor Detail

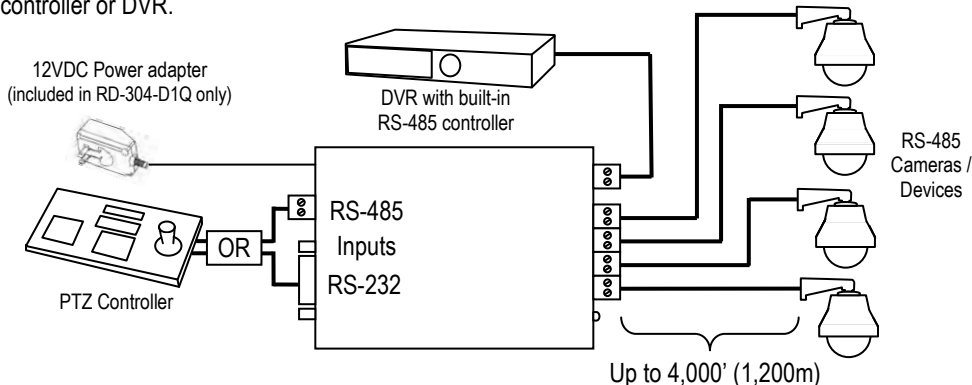


Installation (1-4 Cameras):

1. Mount and install the distributor where the inputs and outputs can be easily accessed.
2. Connect a PTZ controller using either the RS-232 plug or the RS-485 input terminal block.
3. Plug the RS-485 cameras you wish to control into the RS-485 output terminal blocks.
4. Connect power to the distributor with the included 12VDC power adaptor.
5. Turn on power to the PTZ controller and the RS-485 controlled cameras the distributor is connected to.

Sample Application #1: Star Configuration

Use a single Data Distributor to connect up to 4 RS-485 controlled cameras to a single PTZ controller or DVR.

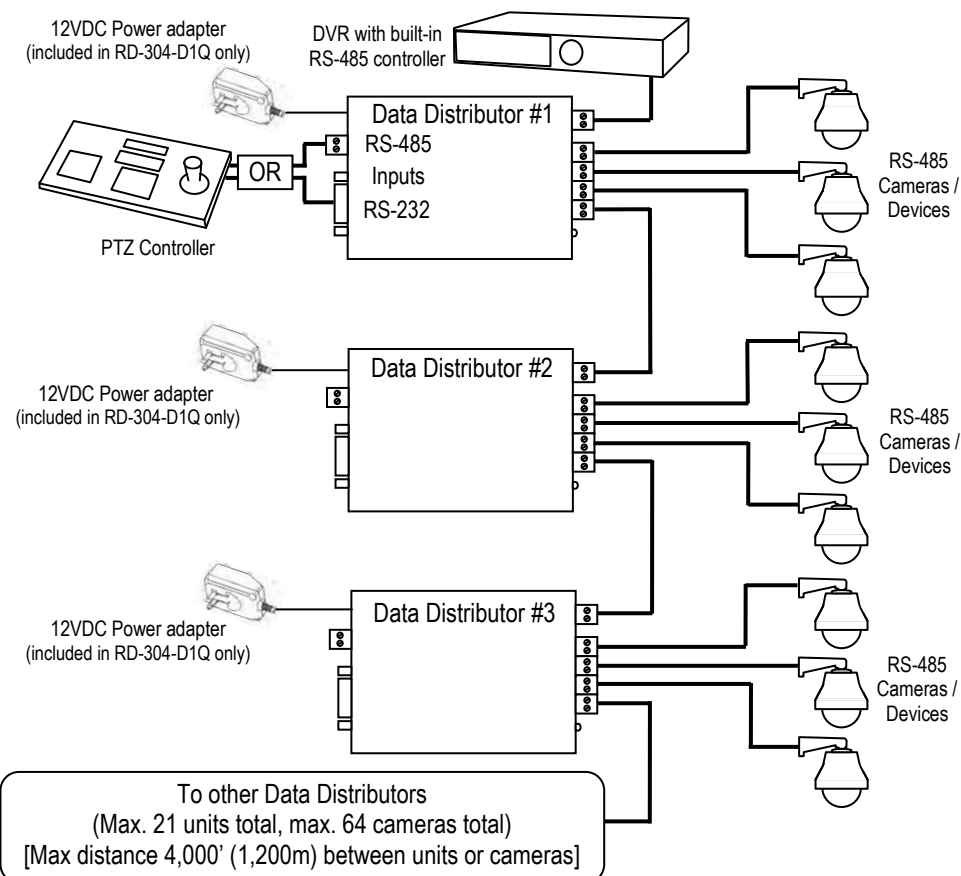


Installation (5-64 Cameras):

1. Mount and install distributor #1 where the inputs and outputs can be easily accessed.
2. Connect a PTZ controller using either the RS-232 plug or the RS-485 input terminal block on distributor #1.
3. Plug the first 3 RS-485 cameras you wish to control into the RS-485 output terminal blocks.
4. Using the unused RS-485 output on Distributor #1, connect to the RS-485 input on distributor #2.
5. Plug the next 3 cameras into the RS-485 output terminal blocks on distributor #2.
6. Repeat steps #4 and #5 until the maximum of 64 RS-485 cameras are connected.
7. Individually connect the distributors one at a time using the included 12DVC power adapters.
8. Turn on power to the PTZ controller and the RS-485 controlled cameras the distributors are connected to.

Sample Application #2: Daisy-Chain (Home-Run) Configuration

Use up to 21 Data Distributors to connect up to 64 RS-485 controlled cameras to a single PTZ controller or DVR.



NOTE: If using multiple units, the RS-485 controller(s) must be connected to the first unit in the daisy-chain configuration. A controller may be connected to a unit lower in the daisy-chain, but it will only control units connected after, not before.

Troubleshooting:

Data Distributor does not function correctly

- Make sure the power, input and output wires are connected firmly to the distributor.
 - Make sure the data input device is turned on.
 - Make sure the RS-485 controlled cameras are turned on.
 - Test the wiring between the data input device and the distributor to make sure it is functional.
 - Test the wiring between the RS-485 controlled cameras and the distributor to make sure it is functional.
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Power LED indicator not lit

- Make sure power is connected to the distributor.
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Also Available from SECO-LARM:

16-Channel Data Distributor (Rack or Wall Mount)

Use multiple RD-316-R1Q Data Distributors to connect up to 256 RS-485 controlled cameras to a single PTZ controller or DVR.



RD-316-R1Q


WARRANTY This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for a period of one (1) year from the date of sale to the original consumer customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM, and the purchaser's exclusive remedy, shall be limited to replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damages of any kind to the purchaser or anyone else.

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