



RS485 / RS422 –ISOLATED REPEATER

MODEL: LD-15UR



INTRODUCTION

Milestone Model LD15-UR is RS422/RS 485 REPEATER is designed for driving RS422/RS485; 2-wire or 4-wire signals to a longer distance. Additionally, input and output signals are isolated.

APPLICATIONS

Application for these converters can be for factory automation, programmable logic controllers, attendance recording systems, Barcode Readers, remote data transmission, remote terminals, EPABX etc.

Specifications:											
Input	Input - D25 Female Connector										
Output	Output - D25 Male Connector										
	RS422 2-wire differential mode										
	<table border="1"><thead><tr><th>Pin No.</th><th>Signal</th></tr></thead><tbody><tr><td>5</td><td>+Tx/+Rx</td></tr><tr><td>6</td><td>-Tx/-Rx</td></tr></tbody></table>	Pin No.	Signal	5	+Tx/+Rx	6	-Tx/-Rx				
Pin No.	Signal										
5	+Tx/+Rx										
6	-Tx/-Rx										
	RS422 4-wire differential mode										
	<table border="1"><thead><tr><th>Pin No.</th><th>Signal</th></tr></thead><tbody><tr><td>3</td><td>-Rx</td></tr><tr><td>4</td><td>+Rx</td></tr><tr><td>5</td><td>+Tx</td></tr><tr><td>6</td><td>-Tx</td></tr></tbody></table>	Pin No.	Signal	3	-Rx	4	+Rx	5	+Tx	6	-Tx
Pin No.	Signal										
3	-Rx										
4	+Rx										
5	+Tx										
6	-Tx										
Selection Switch	Slide switch on rear panel for 2 wire or 4 wire selection										
Max. Distance	1.2 Kms @ 19,200 bps										
Cable	Shielded Twisted Pair Cable 90Ohms / 1000 Meter										



Protection	2500 V Peak
Indication	TX, RX, PWR LED
Power Supply	Mains Input-230V, 50 Hz
Power	Max. 20 VA Built-In Power Supply.
Size	135mm x 145mm x 57mm

LONG DISTANCE CABLE LAYING

Long distance cable between two RS422/RS485 interfaces must be a twisted pair shielded cable. The pair should be used for each signal type + and – signal. This gives high common mode noise rejection. While laying the cable, care should be taken not to lay this cable parallel to power line cables. The cable resistance should not be more than 90 ohms/1000 meters. The cable should run through conduit pipe for physical protection.