Uni-COM[™] CB Modules

Technical Specifications UAC-CB-01RS2, UAC-CB-01RS4, UAC-CB-01CAN

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This guide provides basic installation information for Unitronics' Uni-COM[™] CB Modules. Use them to add communication ports to specific models of the UniStream[®] family of Programmable Logic Controllers. Compatible models comprise a Uni-COM[™] CB COM Module Jack which provides the connection point for the module.

Refer to the specifications of your UniStream model to check whether it is compatible with CB modules.

UAC-CB-01RS2 offers one RS232 port, UAC-CB-01RS4 offers one RS485 port, and UAC-CB-01CAN offers one CANbus port.

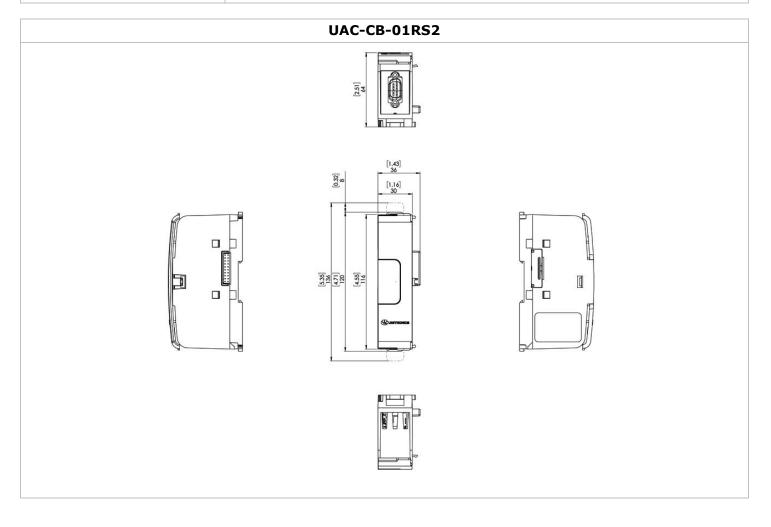
Installation Guides are available in the Unitronics Technical Library at <u>www.unitronicsplc.com/.</u>

Communication						
UAC-CB-01RS2 (RS232 module)						
Number of ports	1	1				
Voltage limits (receiver)	±20 VDC maximum,	±20 VDC maximum, relative to Signal Ground (SG) pin				
Baud rate range	1,200 - 115,200 bps	1,200 – 115,200 bps				
Isolation voltage	500VAC for 1 minute					
Connector type	D-Sub 9 pin, male					
Cable type	Shielded					
Cable length	Maximum 15 m (50 ft)					
UAC-CB-01RS4 (RS485	module)					
Voltage limits	-7 to +12 VDC maximum, Common+Differential					
Baud rate range	1,200 – 115,200 bps					
Nodes	Up to 32	Up to 32				
Isolation voltage	500VAC for 1 minute					
Cable type	Shielded twisted pair	Shielded twisted pair, in compliance with EIA RS485				
Cable length	Maximum 1,200 m (4,000 ft)					
Termination	Set using DIP Switches					
UAC-CB-01CAN (CANbu	s module)					
Power requirement	None. The CANbus port is internally powered.					
Isolation voltage	500VAC for 1 minute					
Cable type	DeviceNet [®] or CAT-5e shielded twisted pair					
Baud rate and maximum t	runk line length					
Baud rate (bps)	DeviceNet ®	DeviceNet ®	DeviceNet ®			
	Thick cable	Mid cable	Thin cable or CAT-5e cable			
1M	25m (82 ft)	25m (82 ft)	10m (32 ft)			
500k	100m (328 ft)	100m (328 ft)	100m (328 ft)			
250k	250m (820 ft)	250m (820 ft)	100m (328 ft)			
125k, 100k	500m (1,640 ft)	300m (984 ft)	100m (328 ft)			
50k, 20k,10k	1,000m (3,280 ft)	300m (984 ft)	100m (328 ft)			
•	maximum cable distance is 2 m (6.5 ft) with any	•	a branching drop line to the trun			
Maximum cumulative dro	p line (stub) length per l	baud rate				

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Baud rate (bps)	Cumulative drop line length
1M	5m (16 ft)
500k	25m (32 ft)
250k	60m (197 ft)
125k, 100k	100m (328 ft)
50k, 20k,10k	100m (328 ft)
Nodes	Up to 64
Termination	Set using DIP Switches

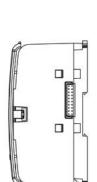
Environmental					
Ingress Protection	IP20, NEMA 1				
Operational temperature	-20°C to 55°C (-4°F to 131°F)				
Storage temperature	-30°C to 70°C (-22°F to 158°F)				
Relative Humidity (RH)	5% to 95% (non-condensing)				
Shock	IEC 60068-2-27, 15G, 11ms duration				
Vibration	IEC 60068-2-6, 5Hz to 8.4Hz, 3.5mm constant amplitude, 8.4Hz to 150Hz, 1G acceleration.				
Dimensions					
Weight	UAC-CB-01RS2	UAC-CB-01RS4	UAC-CB-01CAN		
	100 g (0.22 lb)	89 g (0.19 lb)	105 g (0.23 lb)		
Size	As shown in the images below				

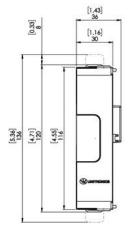


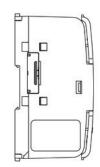
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UAC-CB-01RS4





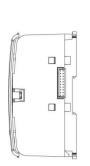


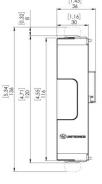




UAC-CB-01CAN











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