In a world of ones and zeros, here's one that makes sense of it all





BAC-5050 FullBAC[™] Router

A multi-port router designed for use between BACnet IP LANs, BACnet Ethernet LANs, and BACnet MS/TP LANs



BAC-5050 FullBAC Router Connecting Multiple BACnet Networks

The multi-port KMC FullBAC router efficiently and reliably routes BACnet traffic for today's complex building automation projects that consist of multiple networks.

The BAC-5050 provides communication between foreign devices, BACnet IP LANs, the BACnet MS/TP controller network, and an Ethernet 802.3 (ISO 8802-3) network.

The product derives its "FullBAC" name from the robust connectivity it offers to demanding BACnet jobs:

- Manage up to four MS/TP controller networks through independent EIA-485 ports
- Manage four BACnet IP networks
- Manage an additional Ethernet network
- Configure and debug through EIA-232 ports or TCP/IP
- Dial up with PTP and external modem

The BAC-5050 is capable of IP hopping or tunnel routing (cross communication between IP LANs).

An included power supply and software configuration tool facilitate easy installation and operation and help make your building automation project succeed.

building your comfort zone®

Communications	10BaseT port for multiple BACnet IP networks and an Ethernet 802.3 (ISO 8802-3) network		
	Four EIA-485 ports for MS/TP networks (each supports operating speeds up to 76.8 kilobaud)		
	Two EIA-232 ports for configuring, debugging, and PTP (modem) use		
	Performs IP assembling/disassembling (PAD) routing for up to 4 BACnet IP PAD networks		
	Foreign Device Registration with BACnet Broadcast Management Device (BBMD)		
	Point-to-point connection with either direct serial connection or dial-up		
	Conforms to ANSI/ASHRAE Standard 135-2001		
Memory	2 MB nonvolatile flash memory; 2 MB RAM		
	Configuration parameters are stored in nonvolatile memory, and RAM automatically backed up to flash memory every 6 hours		
	Auto restart on power failure		
BACnet Router Tools	Supplied, intuitive software for configuration of the router over a direct serial connection or TCP/IP		

Self-discovers and displays remote networks

	Destination Network	Next Router Network	Next Router Address	Status	Status Time
Г	07	Directly Connected	NOT APPLICABLE	OKAY	0 days, 3 hours, 21 min, 18 sec
	08	Directly Connected	NOT APPLICABLE	OKAY	0 days, 0 hours, 18 min, 17 sec
	\$9	Directly Connected	NOT APPLICABLE	SOLE MA	6 days, 23 hours, 5 min, 7 sec
	0 10	Directly Connected	NOT APPLICABLE	OKAY	1 days, 8 hours, 52 min, 54 sec
	06	Directly Connected	NOT APPLICABLE	OKAY	6 days, 23 hours, 5 min, 13 sec
	5007	Directly Connected	NOT APPLICABLE	OKAY	0 days, 0 hours, 6 min, 57 sec
	01	6	10.7.1.50:47808 (xBAC0)	OKAY	6 days, 23 hours, 4 min, 56 sec
	02	6	10.7.1.50:47808 (xBAC0)	OKAY	6 days, 23 hours, 4 min, 56 sec
	3	6	10.7.1.50:47808 (xBAC0)	OKAY	6 days, 23 hours, 4 min, 56 sec
	4	6	10.7.1.50:47808 (xBAC0)	OKAY	6 days, 23 hours, 4 min, 56 sec
	S	6	10.7.1.50:47808 (xBAC0)	OKAY	6 days, 23 hours, 4 min, 56 sec
	011	5007	10.61.2.150:47809 (xBAC1)	OKAY	6 days, 23 hours, 4 min, 56 sec
	012	5007	10.61.2.150:47809 (xBAC1)	OKAY	6 days, 23 hours, 4 min, 56 sec
	13	5007	10.61.2.150:47809 (xBAC1)	OKAY	6 days, 23 hours, 4 min, 56 sec
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	Send I-Am-Router-To-	Network Cle	ear Direct Network Status		
	Send Who-Is-Router-To	histunek Cla	ar Remote Network Status	Direct D	emote Networks

Included software is logically organized for easy router configuration





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