

Part Number	Description
SNAP-B6	High Speed Analog/Digital Pamux Brain

Description

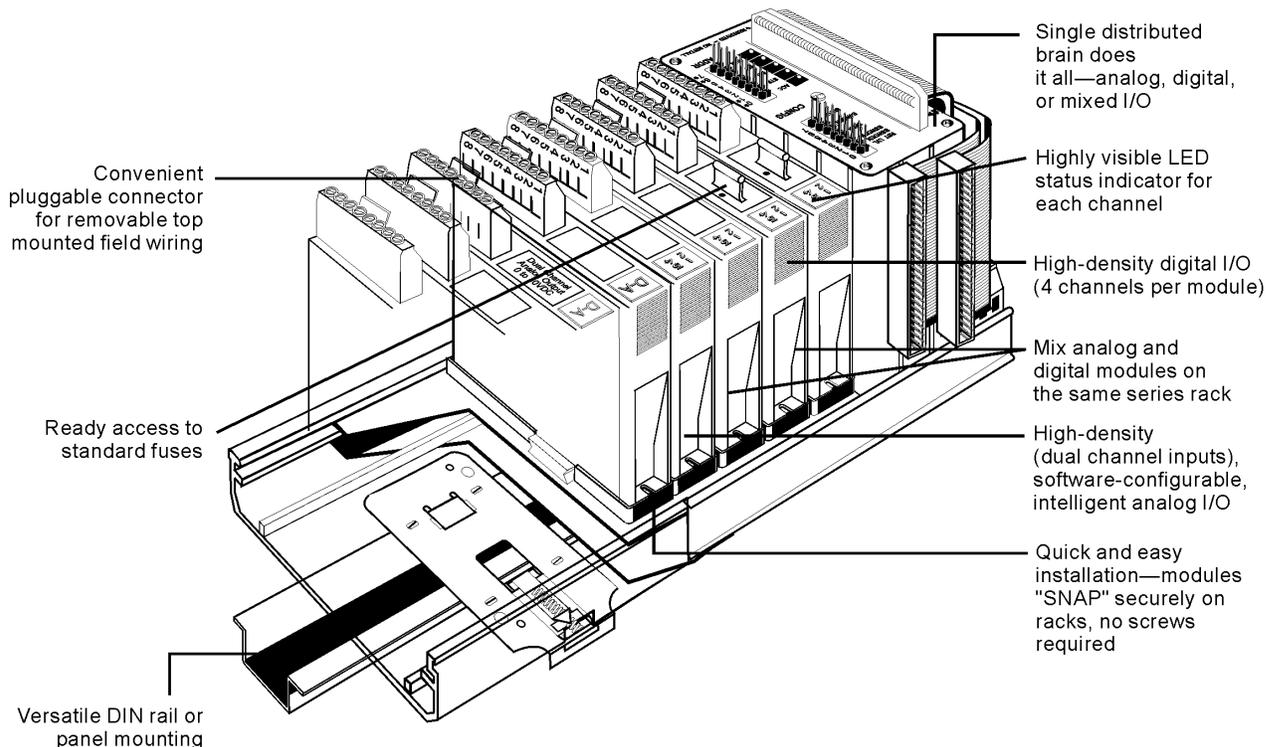
The SNAP-B6 is a high-speed, addressable brain that can remotely control a mix of both analog and digital I/O modules, using the Pamux® protocol. Since the SNAP-B6 is designed for use with Opto 22's SNAP "B series" mounting racks, capable of handling eight, 12, or 16 I/O modules, it has a maximum capacity of 32 analog channels, or 16 analog and 32 digital channels.

The equivalent of two regular B6 analog brains and one regular B4 digital brain, the SNAP-B6 provides power and flexibility in a compact package. The SNAP-B6 includes an on-board microprocessor that continually scans all I/O points on the mounting rack, performs necessary conversions, and

then updates a dual-port RAM. The host computer transfers data along the Pamux bus by reading from or writing to the dual-port RAM.

The SNAP-B6 includes an adapter cable with two 50-pin connectors to attach to the Pamux bus or a terminator board. Up to 16 SNAP-B6 brains can be linked on a single Pamux bus to control up to 512 points of analog or digital I/O. Each SNAP-B6 requires 5 VDC ± 0.1 V @ 1.0 A (plus an additional 0.5 A if a terminator board is installed).

For complete information on the Pamux system, see form #726, the *Pamux Manual*, available on our website, www.opto22.com. The easiest way to find it is to search on the form number, 726.



Specifications

Power Requirements	5.0 VDC \pm 0.1 VDC @ 1.0A max (plus additional 0.5A if terminated)
Operating Temperature	0° C to 70° C, 95% humidity, non-condensing
Communications Interface	50-pin Pamux bus
Analog Read/Write Access Time	70 μ sec per channel, 1.12 msec per 16 channels (channels accessed individually)
Digital Read/Write Access Time	2 μ sec per channel, 2 μ sec per 8 channels (channels accessed in banks of 8)
Update Time	With digital functionality enabled: Analog channels updated every 20 msec Digital channels updated every 1.25 msec Without digital functionality: Analog channels updated every 2 msec
Range: Multidrop	Up to 500 feet
LED Indicators	ACC (Access), STS (Status), SEL (Address selected), WD (Watchdog), and RUN (Power On)
Options: Jumper Selectable	Address Watchdog Reset Enable digital (B4) Analog configuration mode

Software Included

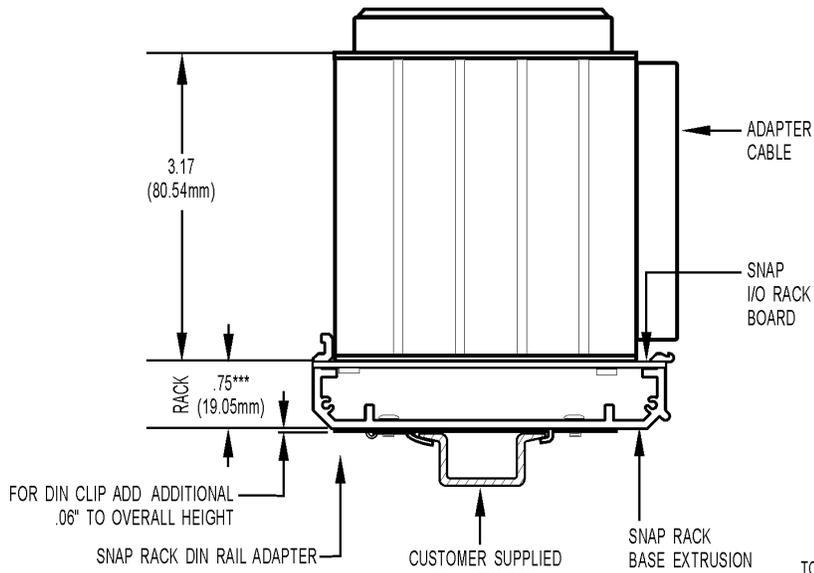
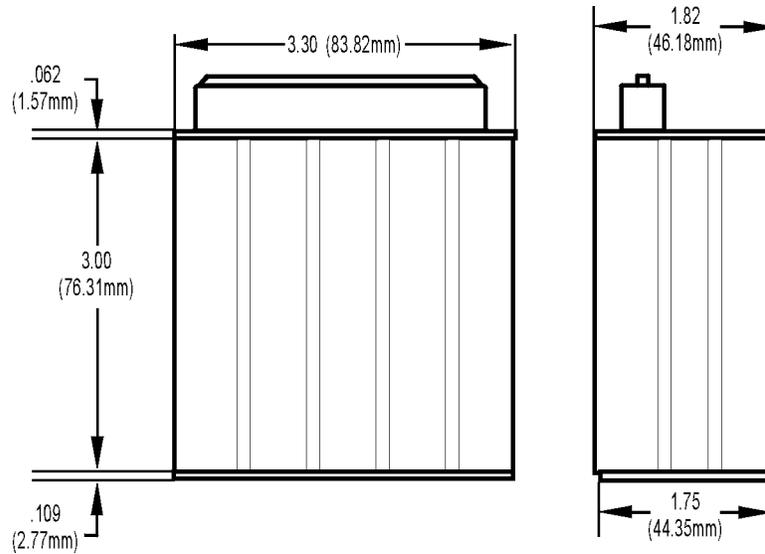
The SNAP-B6 includes the following software:

PamScan utility (DOS and Windows 32-bit versions), used for troubleshooting and for configuring analog modules. Online help in PamScan tells how to use the utility.

Pamux drivers, used to allow PamScan and third-party software to talk to the AC28 adapter card.

Form 1055-071121

Dimensions



CUSTOMER SUPPLIED
35mm DIN RAIL
NOTE: BE SURE TO CONSIDER
DIN RAIL DIMENSIONS.
(DIN RAIL MUST BE MOUNTED
HORIZONTALLY TO USE SNAP I/O
WITHOUT MODULE HOLD-DOWN SCREWS)

TOLERANCE LEGEND
* +/- .010"
** +/- .020"
*** +/- .030"
**** +/- .060"
NO * REFERENCE ONLY