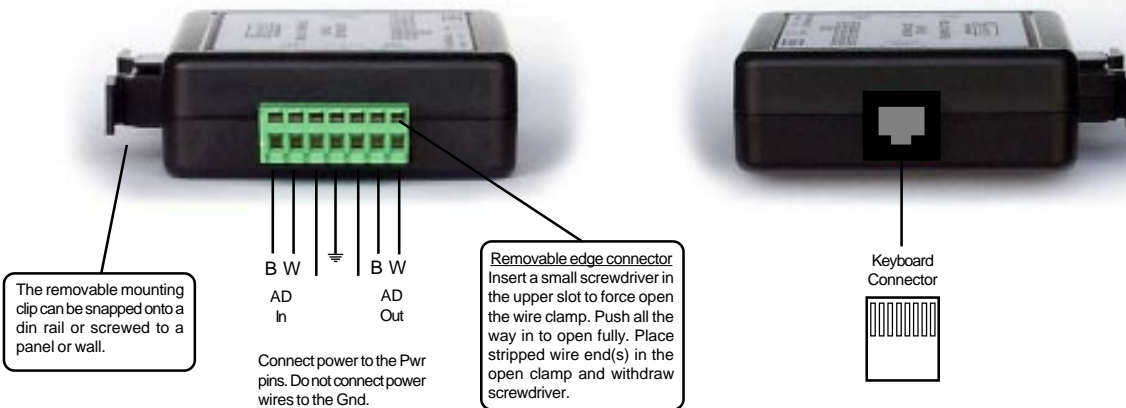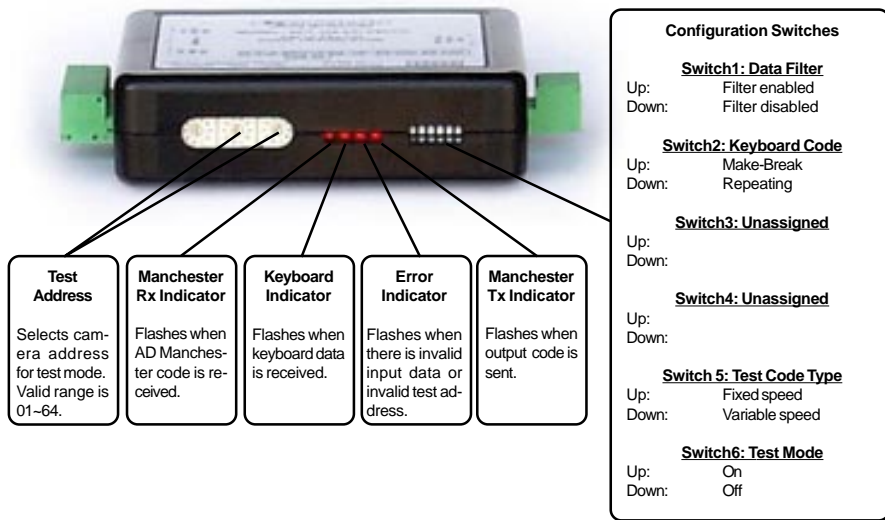# SCM-200-AD-KYBRD
AD Keyboard Convertor / Manchester Code Merger

Converts keyboard data and merges result with input AD manchester code.
The input AD manchester data can be filtered so only camera telemetry data is passed.
The keyboard data can be repeating or make-break code.
A test mode sends a continuous square movement pattern to the selected camera address.

Configuration Switches

Switch1: Data Filter
Up: Filter enabled
Down: Filter disabled

Switch2: Keyboard Code
Up: Make-Break
Down: Repeating

Switch3: Unassigned
Up:
Down:

Switch4: Unassigned
Up:
Down:

Switch 5: Test Code Type
Up: Fixed speed
Down: Variable speed

Switch6: Test Mode
Up: On
Down: Off

Test Address	**Manchester Rx Indicator**	**Keyboard Indicator**	**Error Indicator**	**Manchester Tx Indicator**
Selects camera address for test mode. Valid range is 01~64.	Flashes when AD Manchester code is received.	Flashes when keyboard data is received.	Flashes when there is invalid input data or invalid test address.	Flashes when output code is sent.

B W   B W

AD   AD
In   Out

The removable mounting clip can be snapped onto a din rail or screwed to a panel or wall.

Connect power to the Pwr pins. Do not connect power wires to the Gnd.

Removable edge connector
Insert a small screwdriver in the upper slot to force open the wire clamp. Push all the way in to open fully. Place stripped wire end(s) in the open clamp and withdraw screwdriver.

Keyboard Connector

SPECIFICATIONS

Size:	4.5" x 3.5" x 1.25"
Weight:	0.5 lb
Power:	9Volt to 15Volt AC or DC at 75ma
Environmental:	Indoor use only

Sennetech, Inc. 6455 W. Bath Rd. Perry, MI 48872 U.S.A. Ph:(517) 675 1150 Fax:(517) 675 1151

www.sennetech.net

SWITCHES

SW1 Data Filter
If On, only camera control data will be passed to the output from the AD manchester input, else all data will be passed.

SW2 Keyboard Code Type
On is for receiving "Make-Break" code from the Keyboard, Off is for receiving repeating code.
Make-break code sends start and stop commands. Repeating code does not send stop commands, the start commands are sent repeatedly to keep the camera moving until the commands are ceased.

SW4 Test Mode Code Type
When On, the test mode and converted keyboard data is limited to fixed speed pan and tilt commands for older receivers that can not accept variable speed code. The Manchester input data is not affected.

The fixed speed pan and tilt commands are the same as the highest variable speed commands.

SW5 Test Mode On/Off
When On, the unit acts as an AD manchester test generator sending a constant square movement pattern to the selected test address. The switch must be off for normal operation.

INDICATORS

Manchester Rx Indicator
Flashes when valid AD manchester code is received.

Keyboard Indicator
Flashes when keyboard data is received.
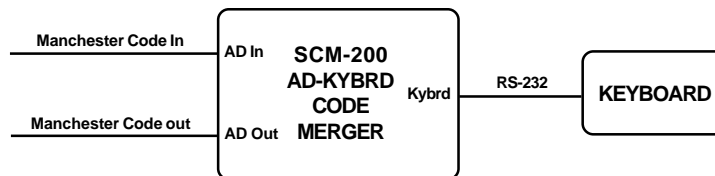
Error Indicator
Flashes when non-valid code is received on either the Manchester or Keyboard input.
The Keyboard data must be 1200 baud.
Will be on continuously if Test Mode is on and a non-valid address is selected.

Manchester Tx Indicator
Flashes for each AD Manchester packet sent

OPTIONS

Keyboard Power
Internal jumpers can be installed to pass power to pins 1 & 8 of the keyboard jack to supply power to compatible keyboards such as the AD 2078 or AD 2079.