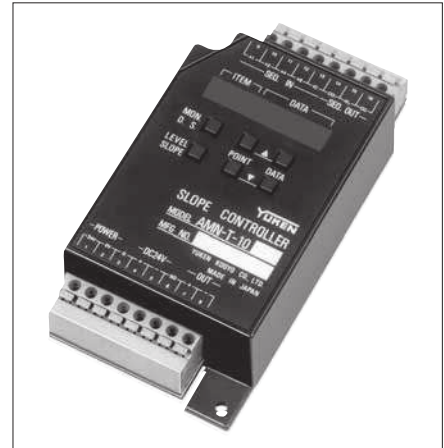# ■ Slope Controllers

This slope controller is considerably smaller and lighter compared to conventional slope controllers.

4-bit switching signals allow the pattern output of given levels and acceleration/deceleration times. One-touch disconnection is supported. The mass and the volume have been reduced to one-fifth and one-fourth, respectively.

■ Model Number Designation

AMN	-T	-10
Series Number	Type of Function	Design Number
AMN	T : Slope Controller	10

■ Specifications

| Model Numbers / Description	AMN-T-10
Number of Output Channels	1 channel
Maximum Output Range	0 – +5 V (Factory Preset) 0 – +10 V ±5 V ±10 V

Maximum Slope Time	● Slope-constant type:[1]
	   1-9999 s/Max. Output signal
	   (Factory Setting, 5 s)
	● Time-constant type:[2] 1–9999 s
	   (Can be set in 1 second increments)

Acceleration/Deceleration[3] Signal Type	Polygonal Line Signal: 1 Type (Factory Setting) Curve Compensation Signal: 3 Type
Setting Resolution	The level and slope setting are variable in 0.1 % units from 0 to ±99.9%
Number of Preselected Patterns	4-bit binary code input 15 patterns
Sequence Input	Input Current: 10 mA/24 V Voltage Range: 10 – 28 V
Sequence Output	Load Current: Max. 50 mA Supply Voltage: Max. 32 V
Power Supply Voltage	24 VDC (20 – 30 VDC)
Power Input	3 W
Ambient Temperature	0 – 50 °C (32 – 122 °F)
Ambient Humidity	90 % RH or less
Approx. Mass	0.2 kg (.44 lbs)

[1]. A fixed slope means that the slope endpoint time changes while the slope gradient remains unchanged when the level is changed.

[2]. A fixed time means that the slope endpoint time remains unchanged when the level is changed.

[3]. The same slope types as those for the multifunction slope controller are supported. See page 789 for details.

■ Instructions

● Since this controller incorporates a micro computer, do subject it to undue electrical noise.

AMN-T-10

DIMENSIONS IN MILLIMETRES (INCHES)
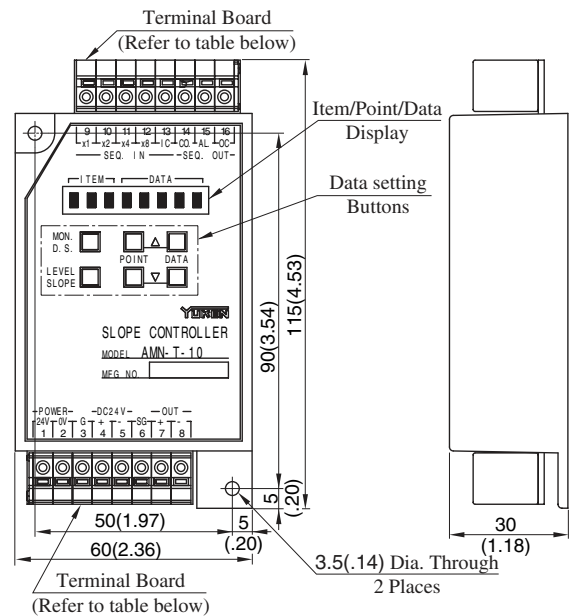
● Detail of Terminal Board

Terminal Number	Name		Terminal Number	Name	
1	Power Supply	+24V	9	Sequence Input	×1
2	Power Supply	0V	10	Sequence Input	×2
3	Frame Ground	G	11	Sequence Input	×4
4	Internal Power Supply	+24V	12	Sequence Input	×8
5	Internal Power Supply	0V	13	Sequence Input	IN COM
6	Signal Ground	SG	14	Sequence Output	COL N.
7	Output Signal	+	15	Sequence Output	ALARM
8	Output Signal	−	16	Sequence Output	OUT COM

[Example Diagram]