

# AGA Series Control Stations (Single Column)

## IP65 Waterproof Aluminum Control Stations for ø30 mm Switches/Pilot Lights

Various control stations are available from one to five holes with most widely used combinations of switches/pilot lights (contact configurations, voltage, button colors, and nameplates).

- Versatile combinations of switches/pilot lights are possible. Select from a wide variety of 30 mm (1-13/64 inch) dia. switches/pilot lights as required.
- In addition to standard depth enclosures, deep enclosures are also available for mounting illuminated pushbuttons which require a large depth behind the mounting surface.  
(See page 15 for more details).



## Specifications

Degree of Protection (Note 1)	IP65 (IEC60529) (Key selector switch: Splash-proof IP54)
Material (Enclosure)	Aluminum alloy die-cast
Coating Color (Melamine coating)	Yellow semi-gloss (Munsell 5Y7/1, outside only)
Rated Insulation Voltage	600V (Buzzer: 250V)
Insulation Resistance	5 MΩ minimum
Dielectric Strength (Note 2)	Between live and dead parts: 2500V AC, 1 minute
Standard Operating Conditions (Note 3)	Ambient temperature: -25 to +50°C (no freezing) Relative humidity: 45 to 85% (no condensation)
Enclosure Style	Wall mount (1 to 5 holes) Pole mount (1 to 5 holes)
Cable Lead-in Hole (Wall Mount)	Entrance hub (Gland hub also available) 1 to 3 holes: HNA22 G3/4 (22 mm) 4 or 5 holes: HNA33 G1 (28 mm) (Standard control stations)
Applicable Switches/Pilot Lights	IDEC ø30 mm TWN/TWND series AZ buzzer and AM ammeter (except enclosed type units)

Note 1: The degree of protection depends on the switches/pilot lights mounted on the enclosure. When IP65 switches/pilot lights are mounted, the entire control station has IP65 characteristics. (See page 2)

Note 2: AM ammeter/buzzer: 2000V AC, 1 minute

Note 3: Buzzer: -10 to +40°C

## Contact Ratings (Contact Block)

Contact Block	Rated Insulation Voltage	600V
	Rated Thermal Current	10A
	Contact Ratings by Utilization Category	AC-15 (A600) DC-13
	IEC60947-5-1	

## Operational Voltage and Current by Utilization Category

Operational Voltage			24V	48V	50V	110V	220V	440V
Operational Current	AC (50/60Hz)	AC-12 Control of resistive loads and solid state loads	10A	—	10A	10A	6A	2A
		AC-15 Control of electromagnetic loads (>72VA)	10A	—	7A	5A	3A	1A
Operational Current	DC	DC-12 Control of resistive loads and solid state loads	10A	5A	—	2.2A	1.1A	—
		DC-13 Control of electromagnets	5A	2A	—	1.1A	0.6A	—

### Common

Minimum applicable load (reference) = 3V AC/DC, 5mA (the applicable range is subject to change according to the operating conditions)

### Switch/Pilot Light Mounting Holes

The holes for mounting switches/pilot lights are 30.5 mm in diameter with an anti-rotation notch. Mounting centers are 50 mm.

### Waterproof Bushing

Four plastic bushings are provided inside the corners for mounting screws to secure the control station on a panel surface.

### Lead-in Fittings (Wall Mount)

An entrance hub made of aluminum is supplied for connecting a steel conduit to lead in cables.

1 to 3 holes: With HNA22 G3/4 for 22 mm conduit

4 or 5 holes: With HNA33 G1 for 28 mm conduit

HNAG gland hubs for leading in cables are also available.

### Stand Pole (Pole Mount)

The pole is made of carbon steel pipe, and the stand base is made of cast iron. The coating color is the same as the enclosure, yellow (semi-gloss).

