

AGAW Series Control Stations

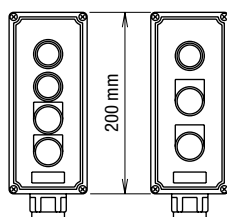
IP65 Waterproof Aluminum Control Stations for ø22 mm Switches/Pilot Lights

AGAW control stations are designed for mounting IDEC ø22 mm (7/8 inch) switches/pilot lights.

- Various control stations are available from one to four holes with most widely used combinations of switches/pilot lights (contact configurations, voltage, button colors, and nameplates).
- Enclosures only are also available, in which specifically selected TW series can be installed.

Ideal for small control boxes

AGAW Control Box with four ø22 mm switches/pilot lights



AGA Control Box with three ø30 mm switches/pilot lights



Specifications

Degree of Protection (*1)	IP65 (IEC60529) (Key selector switch: Splash-proof IP54)
Material (Box)	Aluminum alloy die-cast
Coating Color (Melamine coating)	Yellow semi-gloss (Munsell 5Y7/1, outside only)
Rated Insulation Voltage	600V
Insulation Resistance	5 MΩ minimum
Dielectric Strength	Between live and dead parts: 2500V AC, 1 minute
Standard Operating Conditions	Ambient temperature: -25 to +50°C (no freezing) Relative humidity: 45 to 85% (no condensation)
Style	Wall mount (1 to 4 holes) Pole mount (1 to 4 holes)
Cable Lead-in (Wall Mount)	Entrance hub 1 to 3 holes: HNA22 G3/4 (22 mm) 4 to 5 holes: HNA33 G1 (28 mm)
Applicable Switches/ Pilot Lights	IDEC ø22 mm TW series

*1) The degree of protection depends on the switches/pilot lights mounted in the enclosure.

Contact Ratings (Contact Block)

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

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
	DC	DC-12 Control of resistive loads and solid state loads	8A	4A	—	2.2A	1.1A	—
		DC-13 Control of electromagnets	4A	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 22.2 mm in diameter with an anti-rotation notch.

Mounting centers are 50 mm on 2- and 3-hole enclosures, and 36 mm on 4-hole enclosures.

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

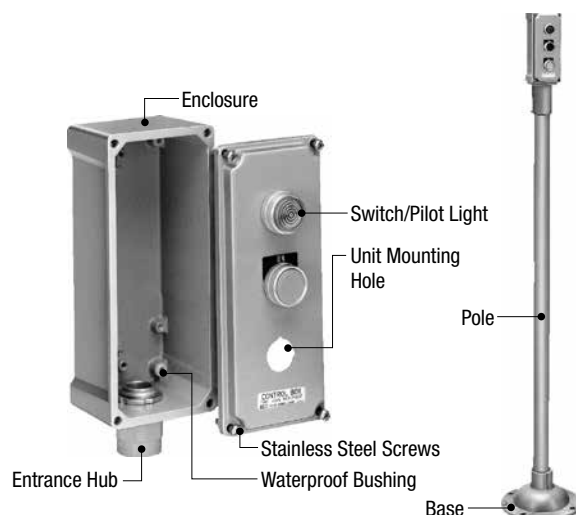
4 holes: With HNA33 G1 for 28 mm conduit

HNAG gland hubs for lead in cables are also available.

Lead-in fitting cannot be removed.

Stand Pole (Pole Mount)

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



Control Stations with Switches/Pilot Lights

The control stations are available with a selected combination of switches/pilot lights as listed below. For the dimensions and mounting centers, see the figures on page 10.

Switch/Pilot Light	Part No.	Specifications
Pushbutton (PB)	ABW110 *	Flush, 1NO
	ABW101 *	Flush, 1NC
	ABW111 *	Flush, 1NO-1NC
	ABW411 *	ø40 mushroom, 1NO-1NC
Pilot Light (PL) (LED)	APW116D *	Round flush, 100/110V AC
	APW126D *	Round flush, 200/220V AC
Selector Switch (SS)	ASW211	Knob, 2-position, 1NO-1NC
	ASW320	Knob, 3-position, 2NO
	ASW2K11	Key, 2-position, 1NO-1NC

Note: Specify a button or lens color code in place of * :

Pushbutton: B (black), R (red)

Pilot Light: G (green), R (red)

Control Stations

Package Quantity: 1







Control Station		Mounted Switches/Pilot Lights		
Style	Part No.	Symbol	Part No.	NWA Nameplate Legend
Wall Mount 1 hole	AGAW1101Y		ABW110B	ON
	AGAW1102Y		ABW411R	Without nameplate
	AGAW1105Y		ASW211	HAND-AUTO
	AGAW1107Y *		ASW2K11	OFF-ON
Pole Mount 1 hole	AGAW1101SY		ABW110B	ON
	AGAW1102SY		ABW411R	OFF
Wall Mount 2 holes	AGAW2101Y		ABW110B ABW101R	ON OFF
	AGAW2102Y		ABW111B ABW111R	ON OFF
	AGAW2103Y		APW116DR APW116DG	Without nameplate
	AGAW2104Y		APW126DR APW126DG	Without nameplate
	AGAW2105Y		APW116DR ABW111DR	Without nameplate STOP
	AGAW2106Y		APW126DR ABW111R	Without nameplate STOP
	AGAW2107Y		APW116DR ASW211	Without nameplate HAND-AUTO
	AGAW2108Y		APW126DR ASW211	Without nameplate HAND-AUTO
	AGAW2109Y *		APW116DR ASW2K11	Without nameplate OFF-ON
	AGAW2110Y *		APW126DR ASW2K11	Without nameplate OFF-ON
	AGAW2113Y		ABW110B ABW411R	ON Without nameplate

Degree of protection marked with * is splash-proof IP54.

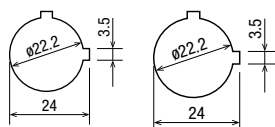
Control Station		Mounted Switches/Pilot Lights		
Style	Part No.	Symbol	Part No.	NWA Nameplate Legend
Pole Mount 2 holes	AGAW2101SY		ABW110B ABW101R	ON OFF
Wall Mount 3 holes	AGAW3102Y		APW116DR ABW110B ABW101R	Without nameplate ON OFF
	AGAW3103Y		APW126DR ABW110B ABW101R	Without nameplate ON OFF
	AGAW3104Y		ABW111B ABW111R ASW211	ON OFF HAND-AUTO
Pole Mount 3 holes	AGAW3102SY		APW116DR ABW110B ABW101R	Without nameplate ON OFF
	AGAW3104SY		ABW111B ABW111R ASW211	ON OFF HAND-AUTO
Wall · Pole 4 holes	Wall Mount AGAW4101Y		APW126DR APW126DG ABW111B ABW111R	Without nameplate Without nameplate ON OFF
	Pole Mount AGAW4101SY			
	Wall Mount AGAW4102Y		APW126DR ABW111B ABW111R ASW211	Without nameplate ON OFF HAND-AUTO
	Pole Mount AGAW4102SY			

Empty Enclosures

Package Quantity: 1

Style	Part No.	Unit Mounting Hole	Switch/Pilot Light Mounting Centers
1 hole (approx. 0.6 kg)	AGAW211Y	With	 Hub HNA22 G3/4 (22mm)
	AGA210Y	Without	
2 holes (approx. 0.6 kg)	AGAW212Y	With	 Hub HNA22 G3/4 (22mm)
	AGA210Y	Without	
3 holes (approx. 0.7 kg)	AGAW313Y	With	 Hub HNA22 G3/4 (22mm)
	AGA310Y	Without	
4 holes (approx. 0.7 kg)	AGAW314Y	With	 Hub HNA33 G1 (28mm)
4 holes (approx. 0.9 kg)	AGAW514Y	With	
5 holes (approx. 0.9 kg)	KGW515Y	With	 Standard
	KGW510Y	Without	

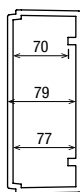
Switch/Pilot Light Mounting Hole



An entrance hub is supplied.

1 to 3 holes: With HNA22 G3/4 for 22 mm conduit
 4 holes: With HNA33 G1 for 28 mm conduit

Effective Depth inside the Enclosure

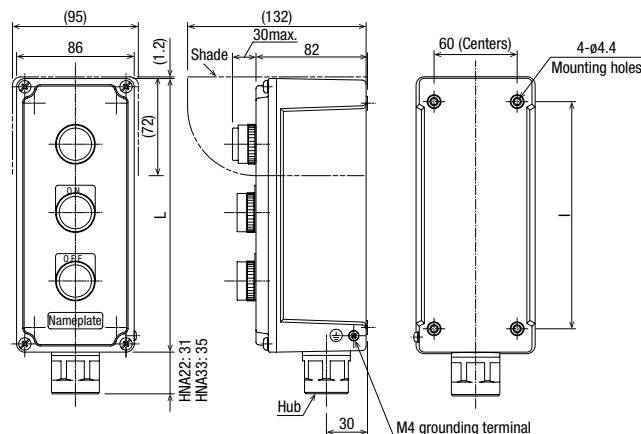


Standard

Dimensions

All dimensions in mm.

AGAW Control Station (Wall Mount)

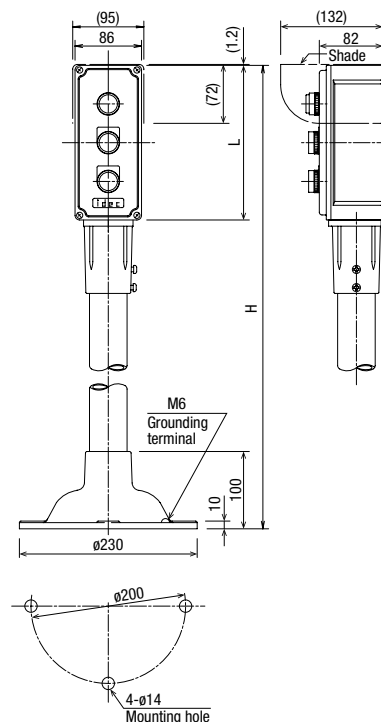


- Entrance Hub (attached)
 1 to 3 holes: HNA22 G3/4 (22 mm)
 4 holes: HNA33 G1 (28 mm)
- Gland hubs for leading in cables are also available.
 See page 39 for details.

Part No.	Applicable Cable Diameter (R)
HNG21	8, 10, 12
HNAG22	13, 15, 17
HNAG33	18, 20, 22

	1 hole	2 holes	3 holes	4 holes		5 holes
	211Y (210Y)	212Y	313Y	314Y	514Y	515Y (510Y)
L	150	150	200	200	300	300
I	114	114	164	164	264	264
Weight (Approx.)	0.6 kg	0.6 kg	0.7 kg	0.7 kg	0.9 kg	0.9 kg

AGAW Control Station (Pole Mount)



	1 hole	2 holes	3 holes	4 holes	4 holes	5 holes
H	1350	1400	1500	1500	1500	1500
L	150	200	300	300	300	300
Weight (Approx.)	6.1 kg	6.2 kg	6.4 kg	6.4 kg	6.4 kg	6.4 kg

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