

MARC 35

# Switching Solutions For General Aviation



**20 or 24 Pole**  
**14Vdc or 28Vdc**  
**FAA-PMA'd**  
**Certified to 35K Feet**

# MARC 35 Switching Solutions

The AIS200-35 and AIS200-3514 are remote switching units that operate on 28 Vdc and 14 Vdc respectively. They allow a VOR NAV receiver and a GPS or other Long Range Navigation system to share a single HSI or CDI. The twenty poles of switching allows all the resolver lines and the steering lines to be switched simultaneously. Internal fail safe switching circuitry ensures that ILS steering is always displayed on the indicator should power be lost to the system or if an ILS frequency is selected in the NAV receiver. Annunciator outputs advise the pilot which system is being displayed on his HSI/CDI. The rugged construction of the AIS200-35 family, makes them ideal switching units for both fixed wing and helicopter operations.

## AIS200-35 & AIS200-3514 Specifications

Size:	1.20" x 3.46" x 5.15"	
Weight:	8.0 oz	
Electrical:		
Voltage:	AIS200-35	28 Vdc
	AIS200-3514	14 Vdc
Current:	AIS200-35	20mA per relay (120mA all relays)
	AIS200-3514	40mA per relay (240mA all Relays)
Contact Rating:	2.0 Amps	
Operating Temp:	-40° to +70° C	
Altitude:	35,000 Ft.	
Shock:	12 G's in all axis	

The AIS240-35 is a multi-purpose switching unit , consisting of six, four pole relays for a total of 24 poles of switching capabilities. The relays are arranged in a group of four (16 poles) and two single relays (4 poles each). The relays can be activated by either a ground or 28 Vdc, maximizing installation flexibility. As with our whole family of switching units, the AIS240-35 uses gold plated dry contacts that are sealed in nitrogen filled cases.

## AIS240 Specifications

Size:	1.20" x 3.46" x 5.15"	
Weight:	8.0 oz	
Electrical:		
Voltage:	28 Vdc	
Current:	20mA per relay (120mA all relays)	
Contact Rating:	2.0 Amps	
Operating Temp:	-40° to +70° C	
Altitude:	35,000 Ft.	
Shock:	12 G's in all axis	
Certification:	PMA, DO160c	