

HF3395

HF:

50:

S:

1:

2-C:

Operating voltage:

Operating temperature:

Storage temperature:

Wiring specifications:

(HF50S12C)

HF series

Three axis, IP67 sealing

Square limiter plate

Drop-in mounting

CANbus J1939

6V to 35VDC

-40° to +85°C (-40°F to 185°F)

-40° to +85°C (-40°F to 185°F)

22AWG, PTFE, 22" ±.125"

Red: Supply power


Black: Ground

Green: CAN High data

White: CAN Low data

Blue: Identifier Select LSB

Orange: Identifier Select MSB

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: .X ± .030 .XX ± .010 .XXX ± .005 .XXXX ± .0005 ANGLES ± 1° FRACTIONS ± 1/32 <input checked="" type="checkbox"/> : CRITICAL DIMENSIONS MATERIAL FINISH FORM NO.: EF-300	NAME	DATE	 MANUFACTURERS OF MAN-MACHINE INTERFACE PRODUCTS 970 PARK CENTER DR. VISTA, CA 92081 TEL: (760) 598-2518 FAX: (760) 598-2524 THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF APEM, INC. AND IS TENTED SUBJECT TO THE CONDITIONS THAT THE INFORMATION (A) BE RETAINED IN CONFIDENCE (B) NOT BE REPRODUCED OR COPIED IN WHOLE OR PART (C) NOT BE LEASED TO THIRD PARTY AND (D) NOT BE USED OR INCORPORATED IN ANY PRODUCT EXCEPT UNDER EXPRESSED WRITTEN AGREEMENT WITH APEM, INC.	
	DRAWN	ET		7/16/2015
	CHECKED			
	ENG APPR.			
	COMMENTS:	For Catalog		
TITLE:			HF3395	
SIZE	PROJECT/ACCT. NO.	DWG. NO.		REV
A	PLOTFILE: 12/22/2015 FILE NO.			
SCALE: 1:2		DO NOT SCALE DRAWING		SHEET 1 OF 1

CAN CONFIGURATION GUIDE

CUSTOMER: _____

Firmware : 520-413 Rev A

PART#: _____ HF3395

										ID Selection						
										CAN ID Select	MSB <small>Orange WIRE</small>	LSB <small>Blue WIRE</small>				
Check mark as required Fill in as required																
11 BIT IDENTIFIER (CAN2.0A)	#1	TX									FILL IN 1 TX AND 1 RX IDENTIFIER FOR EACH WIRE COMBINATION AT RIGHT		Address 0	G	G	
		RX										TX is from Joystick to bus RX is from bus to Joystick				
	#2	TX												Address 1		G
		RX														
	#3	TX												Address 2	G	
		RX														
	#4	TX												Address 3		
		RX														
29 BIT IDENTIFIER (CAN2.0B)	#1	TX		0	0	F	D	D	7	0	0	FILL IN 1 TX AND 1 RX IDENTIFIER FOR EACH WIRE COMBINATION AT RIGHT		Address 0	G	G
		RX											TX is from Joystick to bus RX is from bus to Joystick		Address 1	
	#2	TX		0	0	F	D	D	7	0	1			Address 2		
		RX													Address 3	
	#3	TX		0	0	F	D	D	7	0	2				G	
		RX														
	#4	TX		0	0	F	D	D	7	0	3					
		RX														
8 BYTE TX DATA FRAME			8	7	6	5	4	3	2	1			<- Byte positions			
8 BYTE RX DATA FRAME			8	7	6	5	4	3	2	1						

Identifier Remark <small>(J1939)</small>	5 bit Priority	8 bit PDU Format	8 bit PDU Specific	8 bit Source Address
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Baud Rate:	100K	250K	500K	1Mbits
Data format:	8bits signed	8bits unsigned	10bits unsigned	10bits signed
	10bits signed	12bits unsigned	12bits signed	

CAN Message options:									
Check mark as required Fill in as required									
Option	Bit position	Byte	Description	Y	Option	Bit position	Byte	Description	Y
Center			All axis centered		Error X			Error on X Axis 00: 01: 10: 11:	
Center X	1,2	1	X axis centered	X	Error Y			Error on Y Axis 00: 01: 10: 11:	
Center Y	1,2	3	Y axis centered	X	Error Z			Error on Z Axis 00: 01: 10: 11:	
Center Z	1,2	5	Z axis centered	X	Error SW			Invalid Switch combination	
X Left	3,4	1	X axis Left	X	Z CW	3,4	5	Z axis Counter Clockwise	X
X Right	5,6	1	X axis Right	X	Z CCW	5,6	5	Z axis Counter Counter Clockwise	X
Y Up	5,6	3	Y axis Up (North)	X	Y Down	3,4	3	Y axis Down (South)	X

11: on the status bits indicate an error on the axis.

L in the receive frame stands for LEDs