

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
☒: CRITICAL DIMENSIONS	
MATERIAL	
FINISH	
FORM NO.: EF-300	

NAME	DATE
DRAWN ET	7/16/2015
CHECKED	
ENG APPR.	
COMMENTS: For Catalog	

 <small>MANUFACTURERS OF MAN-MACHINE INTERFACE PRODUCTS 970 PARK CENTER DR. VISTA, CA 92081 TEL: (760) 598-2518 FAX: (760) 598-2524</small>				<small>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.</small>			
TITLE: HF3395							
SIZE A	PROJECT/ACCT. NO. PLOTFILE: 12/22/2015	DWG. NO.			REV		
SCALE: 1:2	DO NOT SCALE DRAWING			SHEET 1 OF 1			

CAN CONFIGURATION GUIDE

CUSTOMER: _____

Firmware : 520-413 Rev A

PART#: _____ HF3395

										ID Selection																											
<input type="checkbox"/> Check mark as required <input type="checkbox"/> Fill in as required										CAN ID Select	MSB <small>Orange WIRE</small>	LSB <small>Blue WIRE</small>																									
11 BIT IDENTIFIER <small>(CAN2.0A)</small>	#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 <small>(CAN2.0B)</small>	#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		G																						
	#2	TX	0	0	F	D	D	7	0	1		Address 2	G																								
		RX											Address 3																								
	#3	TX	0	0	F	D	D	7	0	2		Address 2	G																								
		RX											Address 3																								
	#4	TX	0	0	F	D	D	7	0	3		Address 3																									
		RX																																			
8 BYTE TX DATA FRAME		8	7	6	5	4	3	2	1	0											<- Byte positions																
8 BYTE RX DATA FRAME		8	7	6	5	4	3	2	1	0	8	7	6	5	4	3	2	1	0	8		7	6	5	4	3	2	1	0	8	7	6	5	4	3	2	1

Identifier Remark <small>(J1939)</small>	3 5 bit Priority	2 8 bit PDU Format	1 8 bit PDU Specific	0 8 bit Source Address
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Baud Rate:	100K	250K	X 500K	1Mbits
Data format:	8bits signed	8bits unsigned	10bits unsigned	10bits signed
	10bits signed	X 12bits unsigned	12bits signed	

										CAN Message options:					
<input type="checkbox"/> Check mark as required <input type="checkbox"/> Fill in as required										Y	Option	Bit position	Byte	Description	Y
Center										X	Error X			Error on X Axis 00: 01: 10: 11:	X
Center X	1,2	1								X	Error Y			Error on Y Axis 00: 01: 10: 11:	X
Center Y	1,2	3								X	Error Z			Error on Z Axis 00: 01: 10: 11:	X
Center Z	1,2	5								X	Error SW			Invalid Switch combination	X
X Left	3,4	1								X	Z CW	3,4	5	Z axis Counter Clockwise	X
X Right	5,6	1								X	Z CCW	5,6	5	Z axis Counter Counter Clockwise	X
Y Up	5,6	3								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