

Please use this manual change for the manuals listed below.

1. Applicable manual and pages

IM No. and Edition	Product	Applicable item in 2 and page	
		(1)	(2)
IM 01S01C01-01EN (2)	FVX110	13-2	13-4

2. Contents of change

(1) Please use the following information in place of the corresponding part on applicable page.

Name plate and tag: 304 SST, 316 SST (for optional code /HC)



Name plate and tag: 316 SST

(2) Please use the following information to the chart "13.5 Optional Specifications" in place of corresponding part on applicable page.

Wired tag plate	304 SST tag plate wired onto indicator (316 SST when /HC is specified)
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Wired tag plate	316 SST tag plate wired onto indicator
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The symbol of the terminal connection for an external indicator or pulse output has been gradually changing to the new one as shown in the drawing below from the device completed at the end of April, 2014.

Terminal design of the delivered device may differ slightly from that shown in this manual.

Wiring connection and terminal layout remain unchanged.

The terminals of A (+) and B (+) are not used for FVX110.

Please follow the connection procedure set out in this manual.

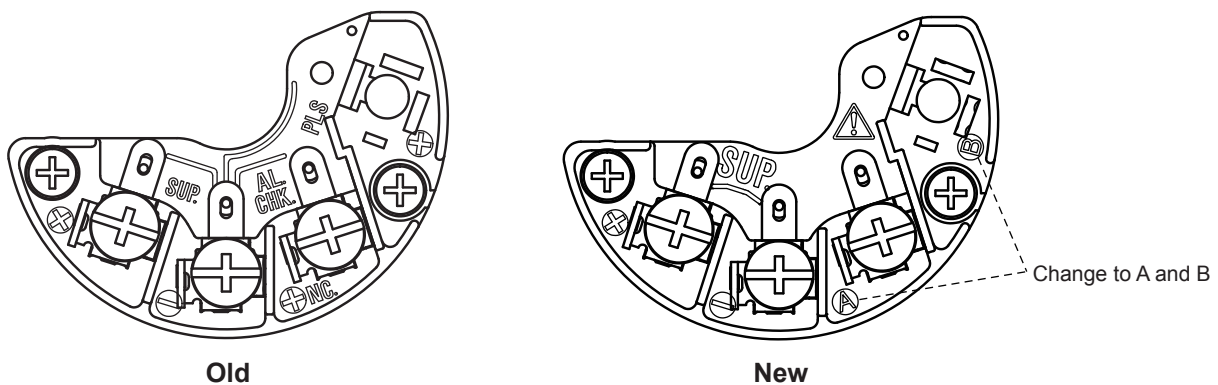


Figure 1 Drawings of old and new terminal blocks

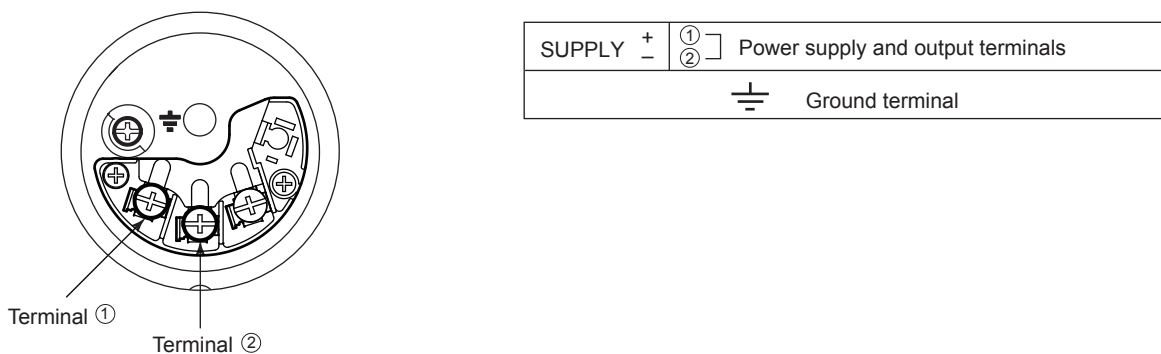


Figure 2 Terminal layout and terminal wiring diagram

Please use the attached sheet for the pages listed below for the User's Manual IM 01S01C01-01EN (2nd).

Applicable pages	Contents of change
12-4 to 12-8	Factory default setting of some of the parameters has been changed. (Soft Rev 1.04)

Relative Index	Index	Parameter Name	Factory Default	Write Mode	Explanation
86	1086	FD_CHECK_PRI	0	AUTO	Indicates the FD_CHECK_ALM priority for an alarm.
87	1087	FD_SIMULATE		AUTO	A parameter for simulating an alarm.
88	1088	FD_RECOMMEN_ACT	0	—	Indicates procedures for handling essential alarms.
89	1089	FD_EXTENDED_ACTIVE_1	0	—	A parameter serving as a starting point for alarms handled by FF-912.
90	1090	FD_EXTENDED_ACTIVE_2	0	—	A parameter serving as a starting point for alarms handled by FF-912.
91	1091	FD_EXTENDED_ACTIVE_3	0	—	A parameter serving as a starting point for alarms handled by FF-912.
92	1092	FD_EXTENDED_ACTIVE_4	0	—	Not used by the FVX110.
93	1093	FD_EXTENDED_ACTIVE_5	0	—	Not used by the FVX110.
94	1094	FD_EXTENDED_ACTIVE_6	0	—	Not used by the FVX110.
95	1095	FD_EXTENDED_ACTIVE_7	0	—	Not used by the FVX110.
96	1096	FD_EXTENDED_ACTIVE_8	0	—	Not used by the FVX110.
97	1097	FD_EXTENDED_MAP_1	0x0748FFFF (Soft Rev 1.02 or earlier) 0x0708FFFF (Soft Rev 1.04 or later)	AUTO	A parameter set by the user as a mask from DEVICE_STATUS_1 to FD_EXTENDED_ACTIVE_1.
98	1098	FD_EXTENDED_MAP_2	0xE000EEEE	AUTO	A parameter set by the user as a mask from DEVICE_STATUS_2 to FD_EXTENDED_ACTIVE_2.
99	1099	FD_EXTENDED_MAP_3	0xFF0EF8FF	AUTO	A parameter set by the user as a mask from DEVICE_STATUS_3 to FD_EXTENDED_ACTIVE_3.
100	1100	FD_EXTENDED_MAP_4		AUTO	Not used by the FVX110.
101	1101	FD_EXTENDED_MAP_5		AUTO	Not used by the FVX110.
102	1102	FD_EXTENDED_MAP_6		AUTO	Not used by the FVX110.
103	1103	FD_EXTENDED_MAP_7		AUTO	Not used by the FVX110.
104	1104	FD_EXTENDED_MAP_8		AUTO	Not used by the FVX110.
105	1105	PRIVATE_1		—	Not used by the FVX110.
106	1106	PRIVATE_2		—	Not used by the FVX110.
107	1107	PRIVATE_3		—	Not used by the FVX110.
108	1108	PRIVATE_4		—	Not used by the FVX110.
109	1109	PRIVATE_5		—	Not used by the FVX110.
110	1110	PRIVATE_6		—	Not used by the FVX110.
111	1111	PRIVATE_7		—	Not used by the FVX110.
112	1112	PRIVATE_8		—	Not used by the FVX110.
113	1113	PRIVATE_9		—	Not used by the FVX110.
114	1114	PRIVATE_10		—	Not used by the FVX110.
115	1115	PRIVATE_11		—	Not used by the FVX110.

12.2 LCD Transducer Block

Relative Index	Index	Parameter Name	Factory Default	Write Mode	Explanation
0	2000	Block Header	TAG : "LTB"	"Block Tag =O/S"	Information on this block such as Block Tag, DD Revision, Execution Time, etc.
1	2001	ST_REV	-	AUTO	Describes the revision level of parameters for setting the transducer block. The revision is updated when set values are changed. This parameter is used to check for parameter changes.
2	2002	TAG_DESC	Null	AUTO	A universal parameter intended for storing comments describing tag data.
3	2003	STRATEGY	1	AUTO	A universal parameter used by the high-level system to identify function blocks.
4	2004	ALERT_KEY	1	AUTO	Key information used to identify the location at which an alert occurred. Generally, this parameter is used by a high-level system to identify specific areas in a plant that are under the control of specific operators to distinguish necessary alarms only. This is a universal parameter.

Relative Index	Index	Parameter Name	Factory Default	Write Mode	Explanation
5	2005	MODE_BLK	AUTO	AUTO	A universal parameter that represents block operating condition. It comprises the Actual, Target, Permit and Normal modes.
6	2006	BLOCK_ERR	-	AUTO	Indicates error status of the PID block. The FVX110 transducer block handles the following factors. Bit 0 = An XD_ERROR has occurred Bit 15 = Target mode is O/S
7	2007	UPDATE_EVT	-	AUTO	Indicates event information if an event update occurs.
8	2008	BLOCK_ALM	-	AUTO	Indicates error information if an error occurs in a block.
9	2009	TRANSDUCER_DIRECTORY	-	AUTO	Parameter for storing indexes of FVX110 transducers.
10	2010	TRANSDUCER_TYPE	65535	AUTO	Indicates FVX110 types. Indicates 65535 (other) for the FVX110.
11	2011	XD_ERROR	0	AUTO	Stores the most serious errors that occur in the transducer block. 0 = No error 50 = Reset performed 100 = LCD error
12	2012	COLLECTION_DIRECTORY		AUTO	Stores the DD item ID for the first index of important parameters in the LCD transducer block.
13	2013	NOW_DISPLAYING	0	AUTO	Indicates the number that the input currently displayed on the LCD occupies among valid inputs of information.
14	2014	DISP_TARGET_FORCE	0	AUTO	A parameter for identifying information of valid inputs that you want to view 0: Scroll knob is active 1: No.01 in valid connection 2: No.02 in valid connection 3: No.03 in valid connection 4: No.04 in valid connection 5: No.05 in valid connection 6: No.06 in valid connection 7: No.07 in valid connection 8: No.08 in valid connection 9: No.09 in valid connection 10: No.10 in valid connection 11: No.11 in valid connection 12: No.12 in valid connection 13: No.13 in valid connection 14: No.14 in valid connection 15: No.15 in valid connection 16: No.16 in valid connection
15	2015	NO_OF_VALID_CON	0 (Soft Rev 1.02 or earlier) 1 (Soft Rev 1.04 or later)	AUTO	Indicates how many of the 16 inputs are valid. (Corresponds to the denominator when DISP_PAGE_INFO is displayed.)
16	2016	VALID_CON_SUMMARY	0xFFFF (Soft Rev 1.02 or earlier) 0x0001 (Soft Rev 1.04 or later)	AUTO	Sets which of the 16 inputs are valid inputs.
17	2017	MAO_CON_SUMMARY	0x0000	AUTO	Indicates which of the 16 inputs gets MAO block values.
18	2018	ISEL_CON_SUMMARY	0x0000 (Soft Rev 1.02 or earlier) 0x0001 (Soft Rev 1.04 or later)	AUTO	Indicates which of the 16 inputs gets IS block values.
19	2019	SIM_CON_SUMMARY	0xFFFF (Soft Rev 1.02 or earlier) 0xFFFE (Soft Rev 1.04 or later)	AUTO	Indicates which of the 16 inputs gets Simulation state values.
20	2020	BAR_GRAPH_SELECT	0	AUTO	Use to specify whether bar graphs should be displayed in the lower field of the LCD. (16 input batch setting)
21	2021	EACH_BAR_GRAPH	0x0000	AUTO	Use to specify whether bar graphs should be displayed in the lower field of the LCD. (Each input batch setting)
22	2022	MAIN_TAG_SCROLL	1	AUTO	Use to set the character scroll function for MAIN_TAG information. 0 = scroll function Off 1 = scroll function On

Relative Index	Index	Parameter Name	Factory Default	Write Mode	Explanation
23	2023	V_SCROLL_BAR	2	AUTO	Use to turn the vertical scroll bar on and off. 0 = Scroll bar display function Off 1 = Scroll bar display function On 2 = On only during display switch
24	2024	SCROLL_DIRECTION	0	AUTO	A parameter for changing scroll knob turning direction, page number turning direction and turning direction of the vertical scroll bar. 0 = Clockwise turn of scroll knob à Increases page numbers 1 = Counterclockwise turn of scroll knob à Increases page numbers
25	2025	DISP_PAGE_INFO	2	AUTO	Parameter for turning on or off current page numbers displayed as an xx/yy fraction in the top right corner of the LCD screen. 0 = On during highlighting when display screens are switched 1 = Always On 2 = Always On during highlighting
26	2026	DISP_QUIET_MODE	0	AUTO	Use to specify LCD operation after switching screens. 0 = Displays last output screen 1 = Switches screens at specified intervals to display all screens 2 = LCD display Off
27	2027	DISP_FORMAT_TYPE	0	AUTO	Not currently used.
28	2028	DISPLAY_CYCLE	0	AUTO	Use to set interval when screens are switched. 0 = Auto (automatically set depending on ambient temperature) 1 = 0.5 sec 2 = 1.0 sec 3 = 2.0 sec 4 = 4.0 sec
29	2029	DISPLAY_TEST	0	AUTO	Parameter to turn LCD test mode on and off.
30	2030	DISPLAY_CONTRAST	32 (0x20)	AUTO	Parameter for setting relative brightness (contrast) between the LCD when it is on and when it is off.
31	2031	SQUAWK	0	AUTO	Turns Squawk on and off.
32	2032	AMBIENT_TEMPERATURE	0	-	Indicates amplifier temperature.
33	2033	MAIN_CONNECT_TYPE	0 (Soft Rev 1.02 or earlier) 2 (Soft Rev 1.04 or later)	AUTO	Use to set the connection (MAO or ISEL function block) for 16 inputs at one time. 0 = All 16 inputs are input to simulation 1 = All 16 inputs are connected to MAO-FB 2 = All 16 inputs are connected to ISEL-FB
34	2034	IN01_CONNECTION	0 (Soft Rev 1.02 or earlier) 2 (Soft Rev 1.04 or later)	AUTO	Use to specify what values of IN01 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN01 2 = Connected to ISEL-FB_1 IN01
35	2035	IN02_CONNECTION	0	AUTO	Use to specify what values of IN02 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN02 2 = Connected to ISEL-FB_1 IN02
36	2036	IN03_CONNECTION	0	AUTO	Use to specify what values of IN03 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN03 2 = Connected to ISEL-FB_1 IN03
37	2037	IN04_CONNECTION	0	AUTO	Use to specify what values of IN04 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN04 2 = Connected to ISEL-FB_1 IN04
38	2038	IN05_CONNECTION	0	AUTO	Use to specify what values of IN05 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN05 2 = Connected to ISEL-FB_1 IN05
39	2039	IN06_CONNECTION	0	AUTO	Use to specify what values of IN06 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN06 2 = Connected to ISEL-FB_1 IN06
40	2040	IN07_CONNECTION	0	AUTO	Use to specify what values of IN07 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN07 2 = Connected to ISEL-FB_1 IN07

Relative Index	Index	Parameter Name	Factory Default	Write Mode	Explanation
41	2041	IN08_CONNECTION	0	AUTO	Use to specify what values of IN08 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_1 IN08 2 = Connected to ISEL-FB_1 IN08
42	2042	IN09_CONNECTION	0	AUTO	Use to specify what values of IN09 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN01 2 = Connected to ISEL-FB_2 IN01
43	2043	IN10_CONNECTION	0	AUTO	Use to specify what values of IN10 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN02 2 = Connected to ISEL-FB_2 IN02
44	2044	IN11_CONNECTION	0	AUTO	Use to specify what values of IN11 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN03 2 = Connected to ISEL-FB_2 IN03
45	2045	IN12_CONNECTION	0	AUTO	Use to specify what values of IN12 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN04 2 = Connected to ISEL-FB_2 IN04
46	2046	IN13_CONNECTION	0	AUTO	Use to specify what values of IN13 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN05 2 = Connected to ISEL-FB_2 IN05
47	2047	IN14_CONNECTION	0	AUTO	Use to specify what values of IN14 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN06 2 = Connected to ISEL-FB_2 IN06
48	2048	IN15_CONNECTION	0	AUTO	Use to specify what values of IN15 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN07 2 = Connected to ISEL-FB_2 IN07
49	2049	IN16_CONNECTION	0	AUTO	Use to specify what values of IN16 are connected to. 0 = Simulation dISELplay 1 = Connected to MAO-FB_2 IN08 2 = Connected to ISEL-FB_2 IN08
50	2050	IN_01	-(Soft Rev 1.04 or later)	AUTO	Indicates process information for input 1.
51	2051	IN_02	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 2.
52	2052	IN_03	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 3.
53	2053	IN_04	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 4.
54	2054	IN_05	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 5.
55	2055	IN_06	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 6.
56	2056	IN_07	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 7.
57	2057	IN_08	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 8.
58	2058	IN_09	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 9.
59	2059	IN_10	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 10.
60	2060	IN_11	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 11.
61	2061	IN_12	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 12.
62	2062	IN_13	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 13.
63	2063	IN_14	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 14.
64	2064	IN_15	Status: 0xC0 Value: 0.0	AUTO	Indicates process information for input 15.

Relative Index	Index	Parameter Name	Factory Default	Write Mode	Explanation
65	2065	IN_16	Status: 0xC0 Value: 99999.0	AUTO	Indicates process information for input 16.
66	2066	IN01_MAIN_TAG	PD_Tag01	AUTO	Use to set the Main Tag for input 1. Use as a memo field and set the information you most want to display in order to identify instruments. See PD_TAG connected devices and other information for setup examples.
67	2067	IN01_SUB_TAG	BLK01.OUT	AUTO	Use the Sub Tag for input 1. Use as a memo field and set the information to be displayed after MAIN_TAG information in order to identify instruments. See block names, parameter names and other information for setup examples.
68	2068	IN01_SCALE	100.0 0.0 1588 (Soft Rev 1.04 or later) 2	AUTO	Sets scaling, units and number of decimal places for displaying bar graphs of input 1.
69	2069	IN02_MAIN_TAG	ABCDEFGHIJKLM NOPQRSTU VWXYZabcdef	AUTO	Use to set the Main Tag for input 2. Use as a memo field and set the information you most want to display in order to identify instruments. See PD_TAG connected devices and other information for setup examples.
70	2070	IN02_SUB_TAG	abcdefghijklmno pqrstuvwxyzABC DEF	AUTO	Use the Sub Tag for input 2. Use as a memo field and set the information to be displayed after MAIN_TAG information in order to identify instruments. See block names, parameter names and other information for setup examples.
71	2071	IN02_SCALE	100.0 0.0 1000 2	AUTO	Sets scaling, units and number of decimal places for displaying bar graphs of input 2.
72	2072	IN03_MAIN_TAG	PD_Tag03	AUTO	Use to set the Main Tag for input 3. Use as a memo field and set the information you most want to display in order to identify instruments. See PD_TAG connected devices and other information for setup examples.
73	2073	IN03_SUB_TAG	BLK01.OUT	AUTO	Use the Sub Tag for input 3. Use as a memo field and set the information to be displayed after MAIN_TAG information in order to identify instruments. See block names, parameter names and other information for setup examples.
74	2074	IN03_SCALE	100.0 0.0 1000 2	AUTO	Sets scaling, units and number of decimal places for displaying bar graphs of input 3.
75	2075	IN04_MAIN_TAG	PD_Tag04	AUTO	Use to set the Main Tag for input 4. Use as a memo field and set the information you most want to display in order to identify instruments. See PD_TAG connected devices and other information for setup examples.
76	2076	IN04_SUB_TAG	BLK01.OUT	AUTO	Use the Sub Tag for input 4. Use as a memo field and set the information to be displayed after MAIN_TAG information in order to identify instruments. See block names, parameter names and other information for setup examples.
77	2077	IN04_SCALE	100.0 0.0 1000 2	AUTO	Sets scaling, units and number of decimal places for displaying bar graphs of input 4.
78	2078	IN05_MAIN_TAG	PD_Tag05	AUTO	Use to set the Main Tag for input 5. Use as a memo field and set the information you most want to display in order to identify instruments. See PD_TAG connected devices and other information for setup examples.
79	2079	IN05_SUB_TAG	BLK01.OUT	AUTO	Use the Sub Tag for input 5. Use as a memo field and set the information to be displayed after MAIN_TAG information in order to identify instruments. See block names, parameter names and other information for setup examples.
80	2080	IN05_SCALE	100.0 0.0 1000 2	AUTO	Sets scaling, units and number of decimal places for displaying bar graphs of input 5.