

CONTENTS

1			
2			
3	FOREWORD		4
4	INTRODUCTION		6
5	1 Scope		7
6	2 Normative references		7
7	3 Terms and definitions		7
8	4 General		8
9	4.1 General		8
10	4.2 Version number		8
11	4.3 Insulation		8
12	5 Electrical specification		8
13	6 Interface power supply		8
14	7 Transmission protocol structure		8
15	8 Timing		8
16	9 Method of operation		8
17	9.1 General		8
18	9.2 Instance type		8
19	9.3 Input signal and value		8
20	9.4 Events		9
21	9.4.1 Priority use		9
22	9.4.2 Bus usage		9
23	9.4.3 Encoding		9
24	9.4.4 Untimed events		10
25	9.4.5 Timed events		11
26	9.4.6 Event configuration		12
27	9.4.7 Event generation		13
28	9.5 Configuring the input device		13
29	9.5.1 Setting the timers		13
30	9.5.2 Manual configuration		14
31	9.6 Exception handling		14
32	9.6.1 Button stuck		14
33	9.6.2 Other errors		14
34	9.6.3 Error value		14
35	10 Declaration of variables		15
36	11 Definition of commands		16
37	11.1 General		16
38	11.2 Overview sheets		16
39	11.2.1 General		16
40	11.2.2 Standard commands		16
41	11.3 Event messages		16
42	11.3.1 INPUT NOTIFICATION (<i>device/instance, event</i>)		16
43	11.3.2 POWER NOTIFICATION (<i>device</i>)		16
44	11.4 Device control instructions		16
45	11.5 Device configuration instructions		16

46	11.6	Device queries.....	16
47	11.7	Instance control instructions	16
48	11.8	Instance configuration instructions.....	17
49	11.8.1	General	17
50	11.8.2	SET EVENT FILTER (<i>DTR0</i>).....	17
51	11.8.3	SET SHORT TIMER (<i>DTR0</i>).....	17
52	11.8.4	SET DOUBLE TIMER (<i>DTR0</i>)	17
53	11.8.5	SET REPEAT TIMER (<i>DTR0</i>).....	17
54	11.8.6	SET STUCK TIMER (<i>DTR0</i>).....	17
55	11.9	Instance queries	17
56	11.9.1	General	17
57	11.9.2	QUERY INSTANCE ERROR.....	17
58	11.9.3	QUERY SHORT TIMER.....	17
59	11.9.4	QUERY SHORT TIMER MIN	17
60	11.9.5	QUERY DOUBLE TIMER.....	17
61	11.9.6	QUERY DOUBLE TIMER MIN	18
62	11.9.7	QUERY REPEAT TIMER	18
63	11.9.8	QUERY STUCK TIMER	18
64	11.10	Special commands	18
65	12	Bibliography.....	19
66			
67		Figure 1 – Button pressed / button released events	10
68		Figure 2 – Short press event	11
69		Figure 3 – Double press event.....	11
70		Figure 4 – Long press event	12
71		Figure 5 – Button stuck event.....	12
72			
73		Table 1 – Meaning of “ <i>inputValue</i> ”.....	9
74		Table 2 – Push button input events.....	10
75		Table 3 – Event filter	13
76		Table 4 – Event timer setting	13
77		Table 5 - “ <i>manualCapabilityInstance3xx</i> ” values	14
78		Table 6 – “ <i>instanceErrorByte</i> ” values.....	15
79		Table 7 – Restrictions to instance variables defined in IEC 62386-103-amd1:2014.....	15
80		Table 8 – Declaration of instance variables	15
81		Table 9 – Standard commands	16
82			
83			
84			