

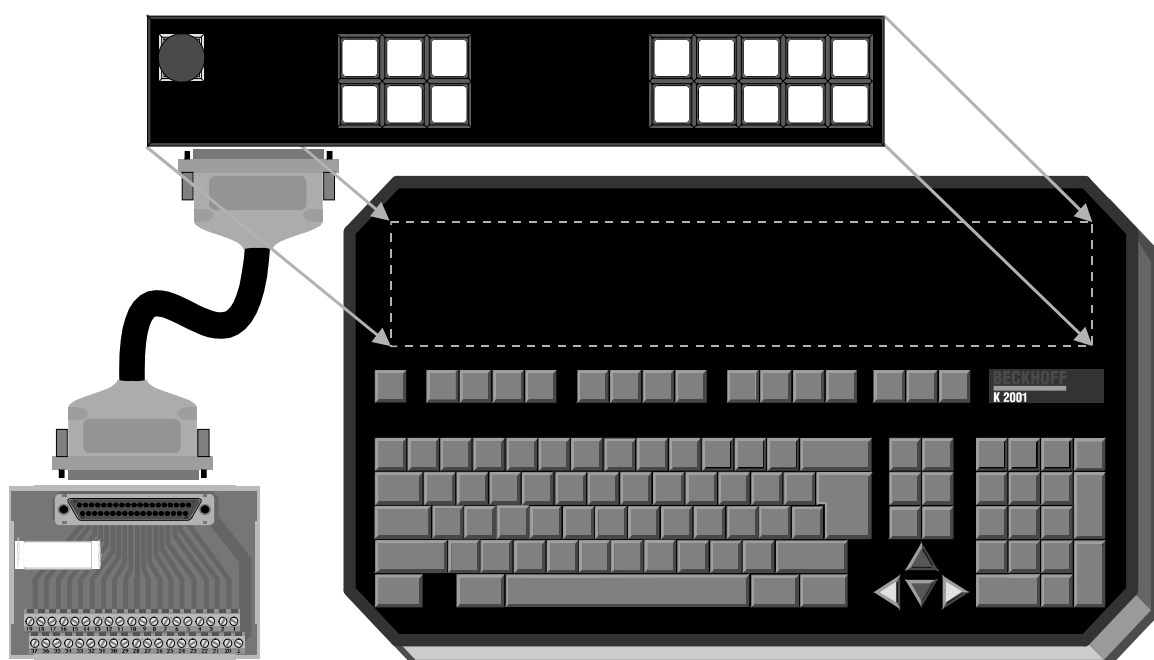
Control and Display Modules for the Industrial PC

■ M6310-xxx: Equipment Control Panel with I/O Fibre Optic Bus

The M6310-xxx Control Panel is designed for installation in either the MF Keyboard series K2001/K2011 or in a standard 19 inch housing. The combination of Industrial PC keyboard and Equipment control panel allows for a compact and powerful equipment command module.

- 10 electromechanical lamp switches interfaced to an I/O fibre optic bus as close-contact inputs and lamp outputs.
 - 6 electromechanical lamp switches interfaced to an I/O fibre optic bus and standard SUB-D connector as a combination of 3 open-contact, 3 close-contact inputs and lamp outputs.
 - 1 emergency stop button hardwired to the I/O fibre optic bus and SUB-D connector
 - prepared for installation in the PC keyboard K2001/K2011
 - available in the following formats:
 - 16 switches and emergency stop (M6310-001), keyless (M6310-011), customer specification (M6310-031)
 - 19 inch slide in module (M6310-0X2)
- X=0,1 or 3 in format described above.

Equipment Control Panel M6310-010



Terminal block in Switch Cabinet

Industrial-MF-Keyboard K2001 or K2011

Mechanics

- Front plate dimensions: see pages 4 and 5
- Fitting depth: 50mm below front plate
- Switch layout: see page 1 or pages 4 and 5
- M6310-xx1: for installation in K2001 or as front panel module
M6310-xx2: standard 19 inch slide in module
- Protection: Front panel IP65

General electrical attributes

- 6 electromechanical lamp switches, 3 open-contact, 3 close-contact. Manufacturer SCHLEGEL, series OKTRON . Lamp switching via II/O fibre optic bus or external control.
- 1 switch hardwired as emergency stop
- switches are connected to switch cabinet via 37 pole SUB-D connector and terminal block.
- 10 electromechanical , close-contact lamp switches, manufacturer SCHLEGEL, series OKTRON, interfaced to an integral II/O fibre optic bus module.
- power requirements: 24 V DC, 200 mA + 30 mA per bulb.

II/O Fibre Optic Bus Code Layout

M6310-xxx	D0	D1	D2	D3
	Switch inputs		Lamp outputs	
	LSB	MSB	LSB	MSB
Switch Number 20x	200 to 209	100 to 105	200 to 209	100 to 105

Signal	Function
D0.0	Input Switch200
D0.1	Input Switch201
D0.2	Input Switch202
D0.3	Input Switch203
D0.4	Input Switch204
D0.5	Input Switch205
D0.6	Input Switch206
D0.7	Input Switch207
D1.0	Input Switch208
D1.1	Input Switch209
D1.2	Input Switch108 (emergency off)
D1.3	Input Switch100 + Switch 101
D1.4	Input Switch102
D1.5	Input Switch103
D1.6	Input Switch104
D1.7	Input Switch105

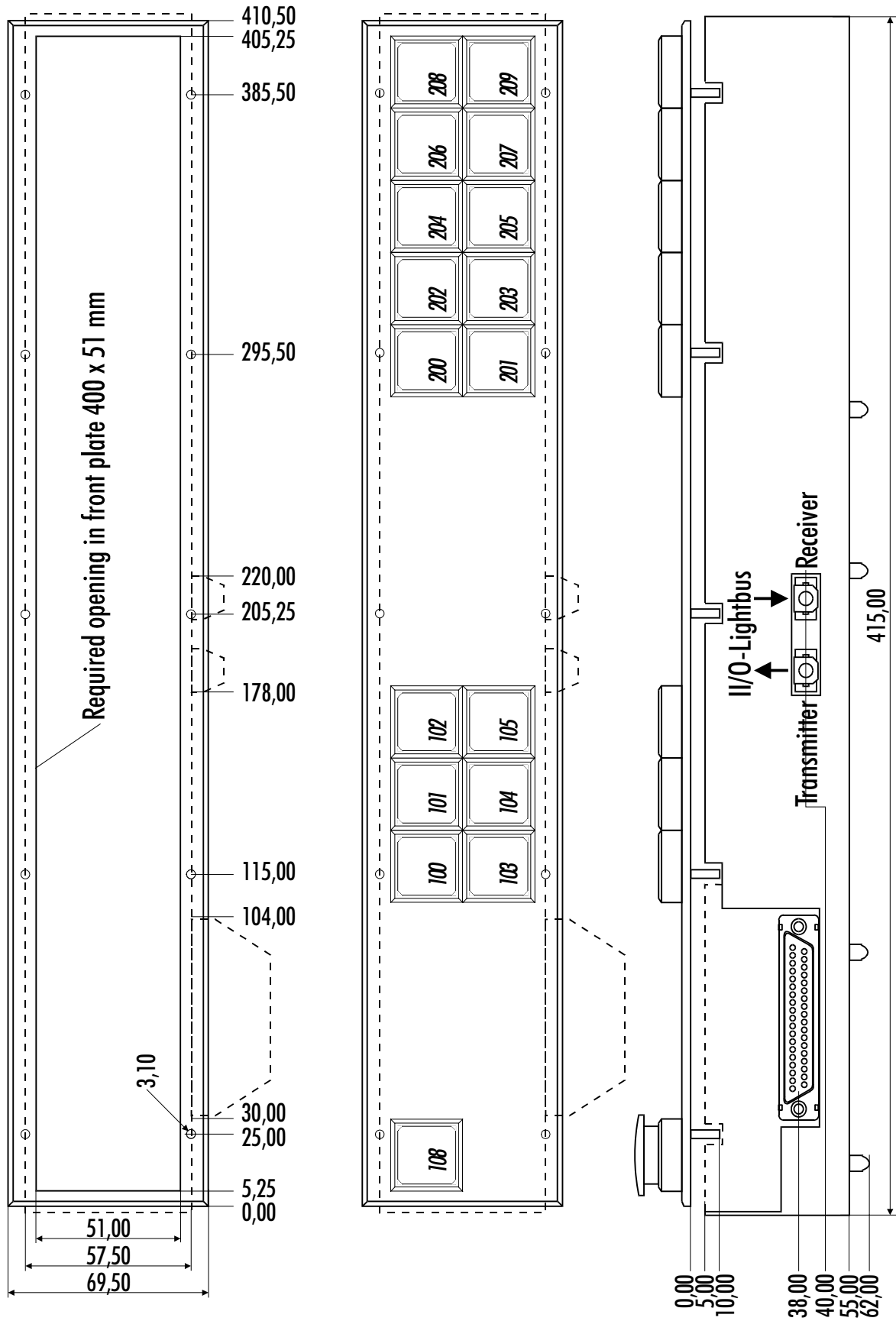
Signal	Function
D2.0	Output Lamp 200
D2.1	Output Lamp 201
D2.2	Output Lamp 202
D2.3	Output Lamp 203
D2.4	Output Lamp 204
D2.5	Output Lamp 205
D2.6	Output Lamp 206
D2.7	Output Lamp 207
D3.0	Output Lamp 208
D3.1	Output Lamp 209
D3.2	Output Lamp 100
D3.3	Output Lamp 101
D3.4	Output Lamp 102
D3.5	Output Lamp 103
D3.6	Output Lamp 104
D3.7	Output Lamp 105

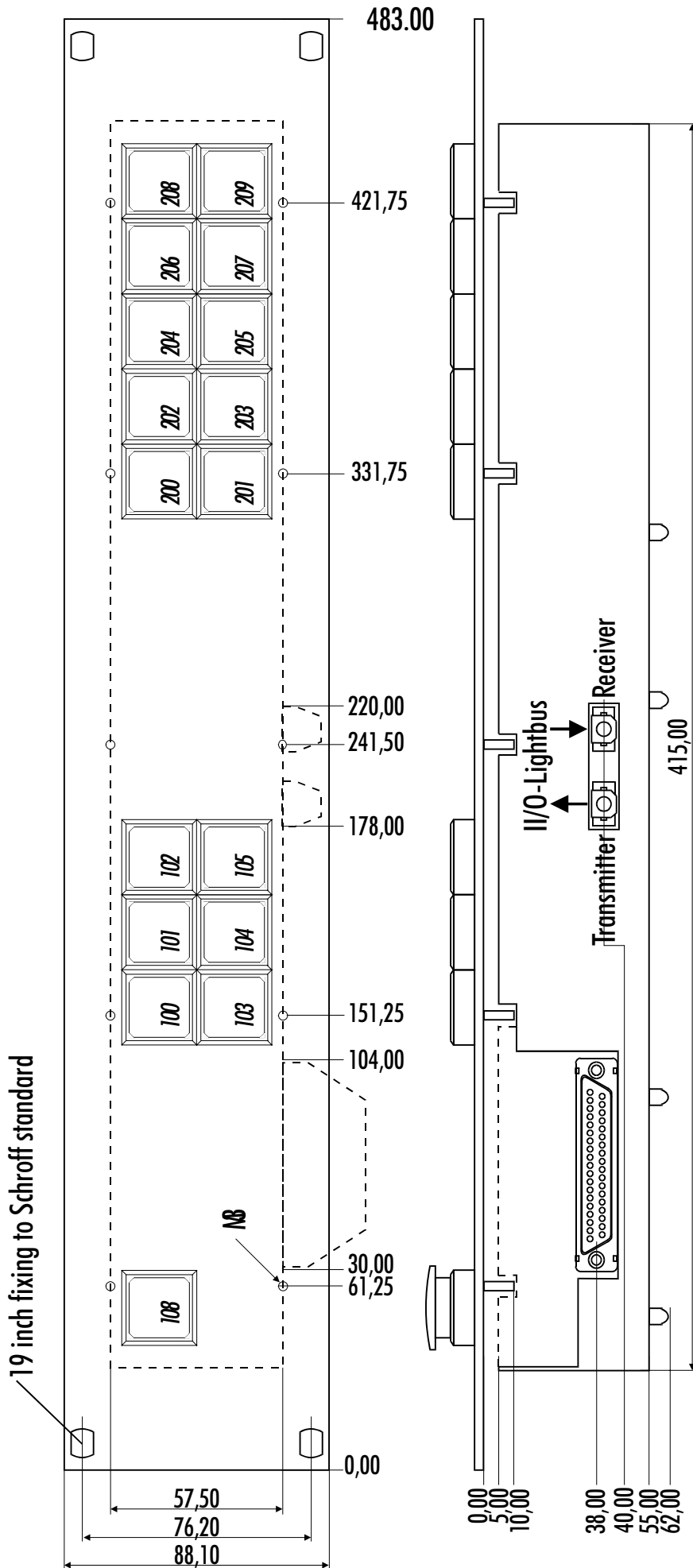
■ Fittings

- All switches from the SCHLEGEL OKTRON programme, which can be comined with normal switches, may be fitted to the modules.
- switch covers are available in a choice of white, green, yellow, blue or red.
- switch labels are available as inserts in standard symbol format or blank for specific labelling.

■ Layout of the terminal block in switch cabinet

Terminal-Nr	Function
19	Terminal 23 Switch 100 (Close-contact)
18	Terminal 24 Switch 100 (Close-contact)
17	n.c.
16	Input 24 V Lamp 100
15	Terminal 23 Switch 101 (Close-contact)
14	Terminal 24 Switch 101 (Close-contact)
13	n.c.
12	Input 24 V Lamp 101
11	Terminal 23 Switch 102 (Close-contact)
10	Terminal 24 Switch 102 (Close-contact)
9	n.c.
8	Input 24 V Lamp 102
7	Terminal 21 Switch 103 (Open-contact)
6	Terminal 22 Switch 103 (Open-contact)
5	n.c.
4	Input 24 V Lamp 103
3	Terminal 21 Switch 104 (Open-contact)
2	Terminal 22 Switch 104 (Open-contact)
1	n.c.
37	Input 24 V Lamp 104
36	Terminal 21 Switch 105 (Open-contact)
35	Terminal 22 Switch 105 (Open-contact)
34	n.c.
33	Input 24 V Lamp 105
32	n.c.
31	n.c.
30	Terminal 21 Switch 108 (Open-contact)
29	Terminal 22 Switch 108 (Open-contact)
28	n.c.
27	n.c.
26	n.c.
25	n.c.
24	24 V- for logic
23	n.c.
22	0 V – for logic
21	n.c.
20	n.c.





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Equipment Control Panel M6310-001