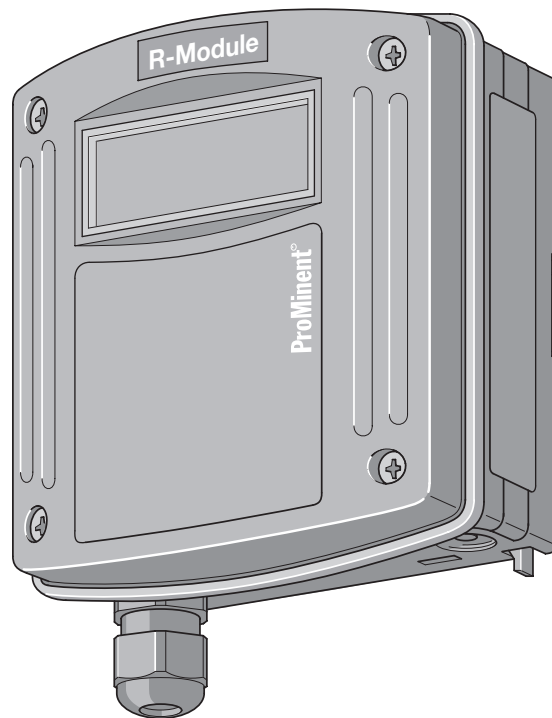


Supplementary Instructions

DULCOMARIN® II, R Module

(Control module for chlorine gas metering unit)

DXMaR



DXMa _____

Please enter the Identcode of your device!

**These operating instructions apply only in conjunction with the
“Operating Instructions DULCOMARIN® II Pool Controller, Part 1: Mounting and Installation”!**

**Please completely read through operating instructions! · Do not discard!
The operator shall be liable for any damages caused by installation or operating errors!**

Imprint:

Supplementary Instructions
DULCOMARIN® II, R Module
(Control module for chlorine gas metering unit)
DXMaR
© ProMinent Dosiertechnik GmbH, 2007

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Identcode

The identcode describes the external modules for the DULCOMARIN® II, series DXM

DXMa External modules for DULCOMARIN® II, series DXM						
	Module: M M Module, measuring module: pH, ORP, temperature A A module, control module: 3 pump and 4 analogue outputs R R module, control module: chlorine gas metering unit with feedback ^{1) 2)} N N Module, mains power module without relay ^{1) 2)} P P Module, mains power module with relay, only mounting type "0" ²⁾					
	Mounting type: 0 without housing, only P Module (IP 00) W Wall-mounted (IP 65) H Rail (IP 20) E Retrofit module (installation module for DXCa, IP 20)					
	Design: 0 with controls 2 without controls 3 without controls (only mounting type "E")					
	Applications: 0 Standard S Swimming pool (only M Module)					
	Language: 00 no operation ²⁾ DE German EN English ES Spanish FR French IT Italian					
	Approvals: 00 no approval, only P Module without housing 01 CE approval					
	<p>¹⁾ only in mounting type "W" wall-mounted ²⁾ only in version "2" without operation</p> <p>Only the M Module in the mounting type W "wall-mounted" is available with controls and different languages.</p>					
	DXMa	R	W	2	0	00 01

1 About this device

With the R Module DXMaR (control module for chlorine gas metering unit), a DULCOMARIN® II can control a chlorine gas metering unit with position feedback for the metering of disinfectants.

The R Module DXMaR is equipped with the following outputs:

- 2 relay outputs to control a chlorine gas metering unit for the metering of disinfectants (open and close)

and the following inputs:

- 1 position feedback input to monitor the position of the servomotor (0...1 kOhm).

2 Safety chapter

Proper use

The R Module DXMaR may only be used to control a servomotor!

The R Module DXMaA may only be used as component part of a DULCOMARIN® II !

All other uses or modifications are prohibited!



WARNING

The R Module DXMaR may only be installed by specially trained personnel!

3 Storage and transport

Only store and transport the module in its original packaging!



CAUTION

Also protect the packaged module against humidity and exposure to chemicals!

Environmental conditions for storage and transport:

Temperature: -10 °C ... 70 °C

Max. permissible relative humidity: 95%, non-condensing (DIN IEC 60068-2-30)

4 Mounting and installation



WARNING

- ***The R Module DXMaR may only be installed by specially trained personnel!***
- ***When mounting and installing this device, please carefully read the instructions in the "Operating Instructions DULCOMARIN® II, Part 1: Mounting and Installation"!***

NOTE

The terminal diagram is enclosed at the end of these operating instructions.

Carry out the CAN connection as described in the "Operating Instructions DULCOMARIN® II, Part 1: Mounting and Installation".

5 Technical data

Electrical data

Power relay output (P1, P2):

Contact type:

changeover contact with varistors,
interference-suppressed

Load rating:

250 V ac, 3 A max., 700 VA

Contact lifetime:

> 20 x 10⁵ switching cycles

Position feedback input:

galvanically isolated from the power relay contacts

Insulation voltage:

500 V

Potentiometer to be connected:

0 Ω ... 1 kΩ

Accuracy (without potentiometer error):

1 % of the input range

Representation:

0.5 % of the input range

Actuating time:

min.: 25 s

max.: 180 s

Ambient conditions

Storage temperature:

-10 ... 70 °C

Type of protection

IP 65

Max. permissible relative humidity:

95 %, non-condensing (DIN IEC 60068-2-30)

Materials

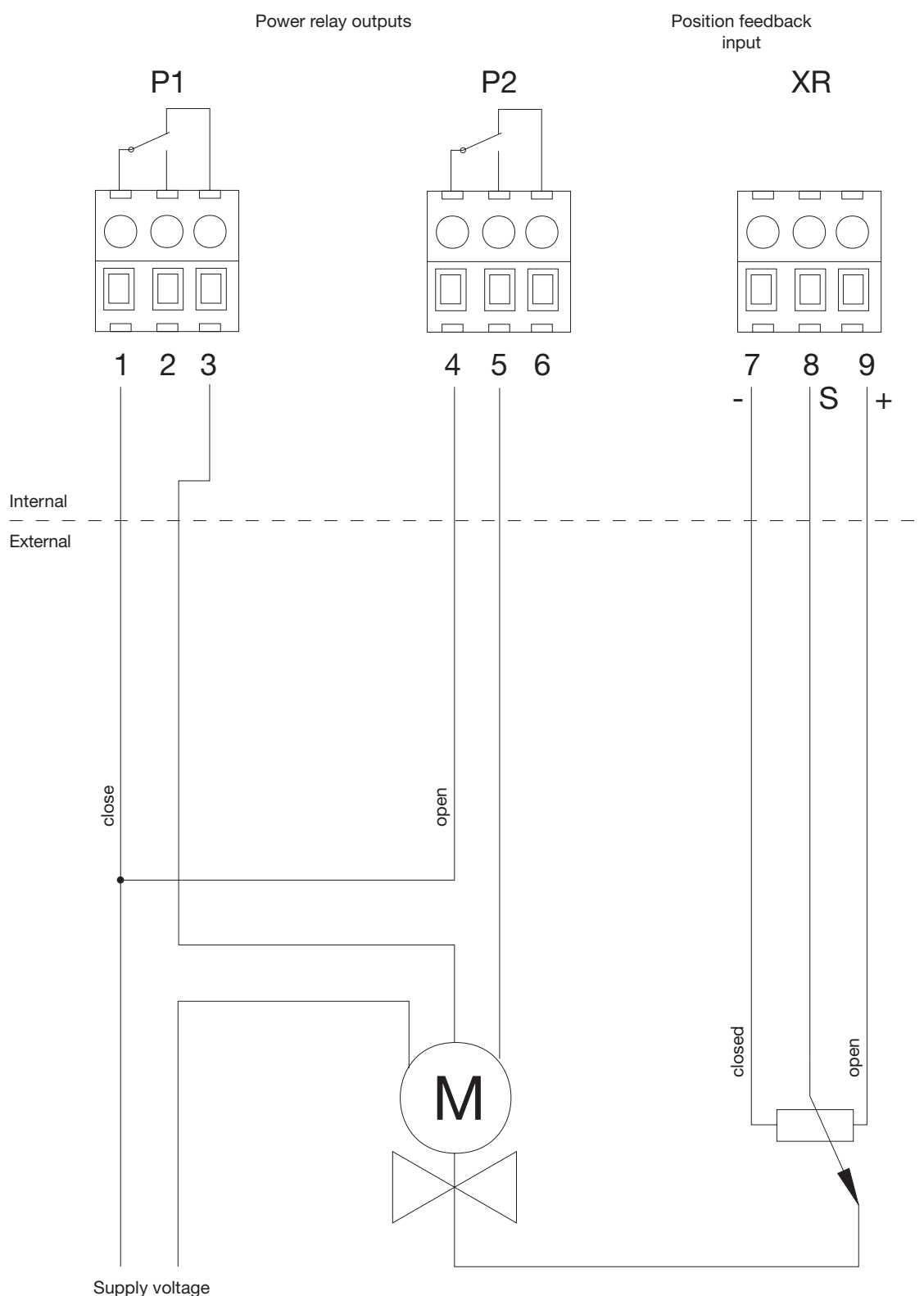
Housing:

PPE-GF 10

6 Terminal assignment

Designation	Terminal designation	Terminal no.	Pol.	Function
Power relay output 1	P1	1	C	Close servomotor
		2	NO	
		3	NC	
Power relay output 2	P2	4	C	Open servomotor
		5	NO	
		6	NC	
Position feedback input	XR	7	-	Feedback servomotor position
		8	S	
		9	+	

7 Terminal diagram



WARNING

If the chlorine gas metering unit is set to “OPEN” under unsupervised operation, large amounts of chlorine gas may be released!

Chlorine gas may be released in the indoor pool and may endanger persons!

For protection in case of failure, interlock the voltage supply for the chlorine gas metering unit with the voltage supplies for the forcing pump and the circulating pump such that these pumps will stop in these cases!

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