

Load limitation system for hydraulic lifts



CHD Load limiter pressure sensor



The CHDs are a complete limitation system, composed of a pressure sensor and a limiting device. The variations of load in cabin by the entrance or exit of loads or passengers, turn into variations of pressure that converts the hydraulic pressure line into electrical signals measured by the integrated control system.

The CHD occupy a minimum space, on which it is installed the way not to interrupt nor alter the flow of the hydraulic fluid. Installation can be done easily by using a **T-adapter** connection in any position of the pressure pipeline.

The CHD sensor is a robust and compact design without influencing the reliability of the pressure system, it has the measuring range of 0 to 100 bars, providing the ease of integrating a load limiter into the elevator or forklift. The hydraulic sensor has the standard thread for the proper fitting and adapters are offered to other measures, on which will always have the solution for your installation.

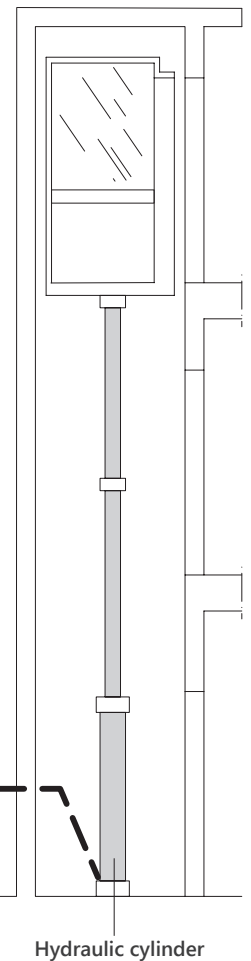


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Within CHD product line, some models integrates Dinacell NG technology. This technology allows firmware updating and the possibility of connecting our device *GD-WiFi*¹. This accessory enables to configurate, calibrate and get accurate information of the installation status in any compatible device with Tools ng2 App.



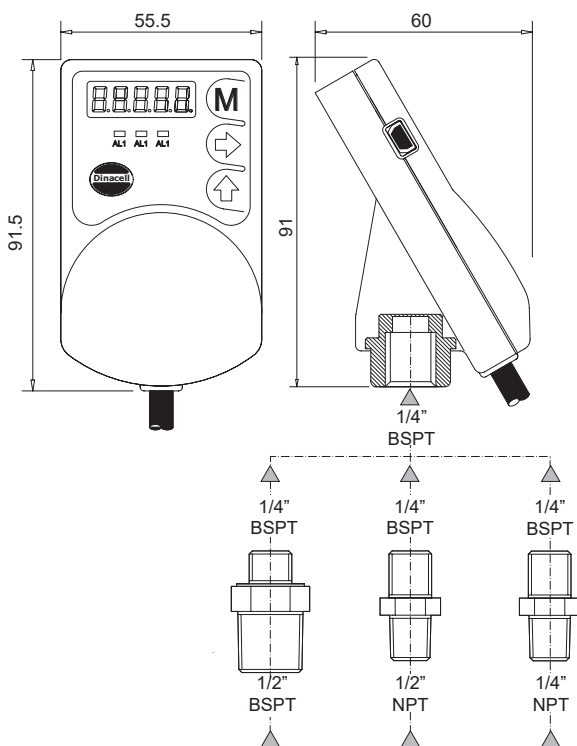
1- GD-WiFi.
(For NG technology devices).



Specifications

Parameter	Units	Specifications					
		CHD-2RM	CHD-2Ra	CHD-3R	CHD-C	CHD-Ca	
Model	-	CHD-2RM	CHD-2Ra	CHD-3R	CHD-C	CHD-Ca	
Nominal Pressure (N.P.)	bar	100					
Accuracy	-	0.25%					
Power supply	VDC	24 (18 ... 40)					
Maximum current consumption	mA	65					
Temperature range	Working	-10 ... +65 (14 ... +149)					
	Storage	-20 ... +70 (-4 ... +158)					
Min. insulation resistance (V.Test = 100V)	GΩ	4					
Relay	Maximum voltage	VAC					
	Maximum current	A					
	Number	-	2	2	3	-	-
CANopen CIA 417	-	-	-	-	✓	✓	
Analog outputs 0-10V / 4-20mA / 0-20mA	-	-	✓	-	-	✓	
Cabin display MB output	-	✓	-	-	-	-	
Technology NG (with USB for firmware upgrade)	-	✓					
Hold Input	VAC/DC	12 ... 125					
Pressure limit	Working	150					
	Safe	%N.P.					
Interface	Display digits	-					
	Keys	-					
	LEDs	-					
Cable	Type	-					
	Standard length	m					
Sensor	Material	-					
	Casing	Material	-				
		Treatment	-				
Box material	-	Fireproof plastic ABS					
Protection class	-	IP50					

Dimensional drawings (mm) and wiring diagram



	CHD-2RM	CHD-2Ra	CHD-2R	CHD-C	CHD-Ca
Black	Gnd				
Red	24VDC				
Purple	Relay 1			Can HIGH	
Blue				Can LOW	
Pink	Relay 2			-	
Brown				-	
White	Hold (+)				
Gray	Hold (-)				
Green	Cabin disp. +	4-20/0-20mA	Relay 3	-	4-20/0-20mA
Yellow	Cabin disp. -	0-10v		-	0-10v

LCK Product Reference

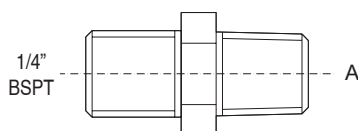


Model.	CHD-2RM	CHD-2Ra	CHD-3R	CHD-C	CHD-Ca
Ref.	012254	011964	011963	011962	011961

Accessories: Hydraulic adapters



Ref.	A
013043	1/4" NPT
013044	1/2" NPT
005705	1/2" BSPT



Accessories: GD-WiFi (For NG technology devices)



Ref.	018512
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For more information

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