



Load limit Switch DRC-370C

General Description

The DRC-370C is a precision-engineered electronic load limiter designed to improve the operational safety of industrial overhead cranes. Utilizing a load cell sensor, it continuously monitors lifting loads and provides real-time overload protection. This system is particularly suitable for retrofitting existing cranes that currently lack built-in overload limiters.

Technical Specifications

Applications

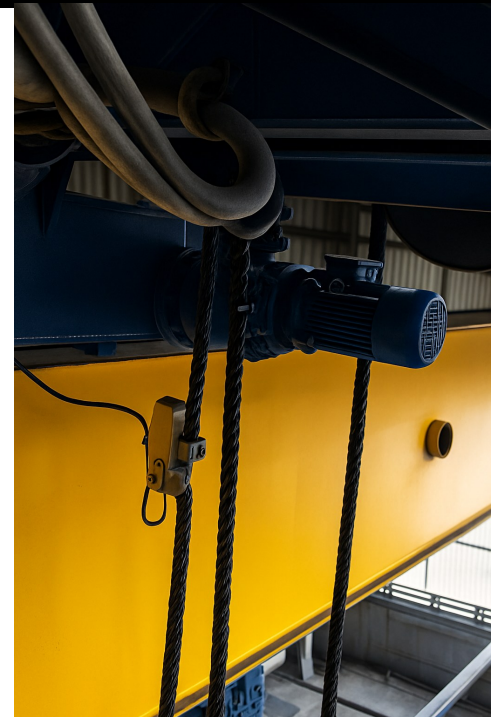
Overhead cranes (single or double girder)
Gantry and semi-gantry cranes
Electric hoists
Industrial cranes without integrated overload protection

Key Features

Ideal for crane upgrades and safety retrofits
Instant overload detection and system interruption
Visual and audible alert functions
Reliable performance in harsh industrial conditions
Compact controller with IP65-rated enclosure
Improves operator safety and crane longevity

Package Includes

DRC-370C load limiter controller
Load cell sensor (optional with purchase)
Installation manual
External display and Mounting accessories.



Contact & Manufacturer

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We **DORANCE** has been providing versatile load-limitation systems for all types of cranes and especially overhead cranes. In particular, we have supplied them to the very important players in the lifting and material handling industry as well as in steel industry. That is why we can claim that we have a solid experience and are highly dependable as regards load-limiting devices for cranes which enables us to equip the most complex of systems.

Control Unit

Split type DORANCE-370C-RH-EC 2T 5T 10T 20T crane electric hoist mount on wire rope overload protection device

Application:

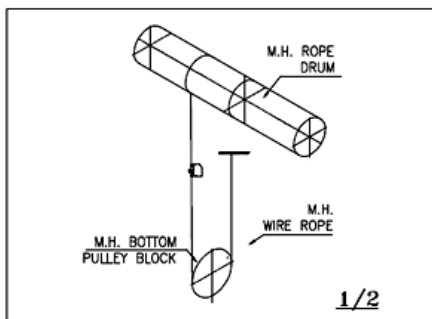
Overload limiter prevent accidents occurring due to the raised load dangerously exceeding the normal value as established by the manufacturer or by the user of the lifting device. It makes a vital contribution to the safety of operatives.

A comprehensive kit for crane/hoist overload protection that includes everything needed to install or retrofit on bridge cranes is now available from DORANCE load weighing Systems.

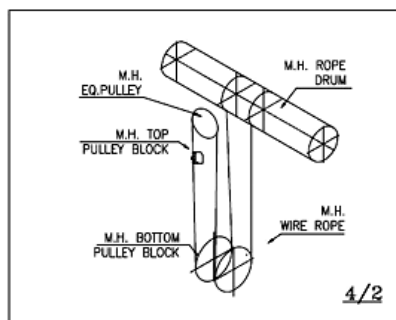
Description

The split type load limiter constitutes of the wire rope load cell RH-EC and control unit DRC-370C, this overload limiter is particularly designed to prevent overloads that usually happens on cranes, overload cranes, good's lifts, lifts, elevators, etc. The RH-EC Clamp-on Load Cell simply clamps onto a wire rope dead end and is connected by integral signal cable to the control unit OMS-370C for permanent overload detection with streamlined connectivity and relay outputs. Our electronic overload limiter practically does not require assembly and its installation is fast and easy.

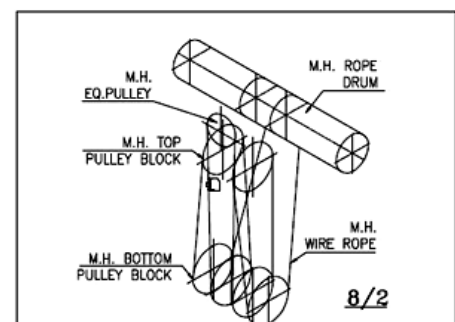
Control Unit DRC-370C



M.H. ROPE REEVEING DIAGRAM
2 FALL



M.H. ROPE REEVEING DIAGRAM
4 FALL



M.H. ROPE REEVEING DIAGRAM
8 FALL

Solutions to meet your integrated needs

Application:

Overload limiter prevent accidents occurring due to the raised load dangerously exceeding the normal value as established by the manufacturer or by the user of the lifting device. It makes a vital contribution to the safety of operatives.

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Press load cell : CRN-GX

Rated load	3T/5T/5T/10T	Ultimate overload	200% F.S
Repeatability	±0.5%F.S	Total error	±0.5%F.S
Sensitivity	2.0±0.02%mV/V	Material	Alloy Steel
Excitation voltage	≤15VDC	TC SPAN	±0.02%F.S/10°C
Input impedance	760±10Ω	Product Creep	±0.05% F.S./30mins
Output impedance	700±2Ω	Cable Length	5m
Insulation impedance	≥5000MΩ	Working temperature	-30°C~+70°C
Safe overload ratio	150%F.S	Protection class	IP67/IP68

Overload controller: -370C

Operation Voltage:	AC/DC16-48V	Key number	6
Nominal power:	≤4W	Measuring precision:	0.1%
Load cell channel:	1	Operation temperature:	-45degree-+85degree
Relay Number:	1(overload,NO/NC)	Sensor operation voltage:	DC15V
Contact Load:	5A 250VAC/5A 30VDC	External screen	External big screen (optional)
Display Type:	4 digits 0.36 inch LED display	Connection terminals type for load cell	Compatible with 4-core bank wire
Display mode:	Weight/percentage	Weight:	265g
Key number:	6		

Large External LED display 9digits red color 22in x 7in available