

CARLO GAVAZZI
Automation Components

DISAI
Automatic Systems
T-962 448 450 www.disai.net



Solutions for Agriculture



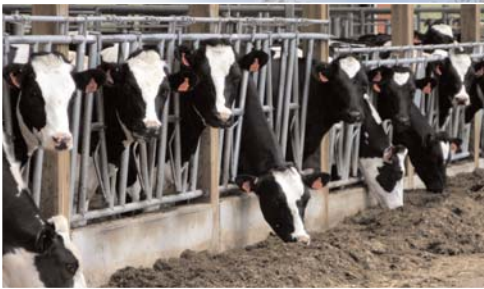
Tractors and Agricultural Machinery

Carlo Gavazzi offers a comprehensive range of components for any application in the agricultural and earth-moving sectors: from passive inductive “Pick-up” sensors to “Hall-effect” or “double Hall-effect” sensors, which detect and measure the speed and the direction of rotation of dented wheels, for example in engines and in tractors’ PTO (=Power Take Off).

Inductive sensors for non-contact measurements, safety and position mechanical switches in different versions and configurations are also available. Thanks to personalized solutions and design of products for specific needs, most application challenges will be provided by one supplier: Carlo Gavazzi.



Solutions for Agriculture



Silos and Animal Feeding Devices

Carlo Gavazzi products offer a very efficient means for liquid and solid level measurement applications. Thanks to the capacitive sensors' self-teaching functions and humidity compensation (for quick, reliable and precise measurement), to conductive and optical probes and to ultrasonic sensors with analog

output, we are capable to fulfill most of your needs. The distribution process is controlled by photocells and by color and contrast sensors, combined with a solid state relay and soft starters. With the sensors, a complete series of indicators allows to visualize the different phases of the feeding processes.





Green Houses and Irrigation

Automation and irrigation control, in landscaping and green-houses, are made possible through a series of innovative products: 3-phase monitoring relays, inductive sensors, capacitive and ultrasonic sensors, digital panel meters and energy meters.

Furthermore, the Dupline Field Bus and magnetic proximity sensors, with their free topology configuration, make the ideal system to control levels, monitor pumps and activate valves over a great distance.





P-A2 ...

PICK-UP/HALL EFFECT SENSORS

- dimensions: M20x1.5
- material: nylon
- case: cylindrical
- pulse output
- protection degree: IP65
- operat. freq. >100HZ
- approvals CE



IA 12, 18, 30

INDUCTIVE SENSORS

- dimensions: Ø6.5 M5, M8, M12, M18, M30
- material: plastic/metallic
- cyl. or rect. body
- power supply: 10-30VDC, 24-240VAC
- PNP/NPN NO/NC, analogic
- protection degree: IP67
- approvals: CE, UL, CSA



CLD, CLH

CONDUCT. LEVEL CONTROLLER

- amplifier: DIN rail/socket mounting
- sensitivity adjustment
- probe: 3/5 electrodes
- material: plastic
- power supply: 24-240 VAC
- output: amplif. relay 1 or 2 SPDT 8A/250VAC
- approv. CE-UL508-CSA



CA 12, 18, 30

CAPACITIVE SENSORS

- dimensions: M12, M18, M30
- material: plastic/metallic
- cyl. or rect. body
- power supply: 10-30VDC, 24-240VAC
- PNP/NPN NO/NC, SPDT relay
- protect. degree: IP67, IP68
- approvals: CE, UL, CSA, ATEX



PA 18, PC 50

PHOTOLECTRIC SENSORS

- material: plastic/metallic
- cyl. or rect. body
- power supply: 10-30VDC, 24-240VAC
- PNP/NPN, NO/NC, SPDT relay
- protection degree: IP67
- approvals: CE-UL-CSA



UA 18, 30, 80

ULTRASONIC SENSORS

- material: plastic/metallic
- oper. distance 25- 8000mm
- cyl. or rect. body
- power supply: 10-30VDC, 24-240VAC
- PNP/NPN NO/NC, analogic
- serial port: RS232
- protection degree IP67
- approvals CE-UL-CSA



LS ...

MECHANICAL SWITCHES

- side rotary lever
- material: plastic/metallic
- horizontal/vertical control available
- mechanical life >15,000,000 cycles
- protection degree: IP67



RSE / RM1A

RSE SOFT STARTERS

- 3-phase motors up to 7.5KW, 600VAC
- approvals: UL, cUL, CSA

RM1A SOLID STATE RELAYS

- loads up to 125A, 600VAC
- approvals: UL, cUL, CSA, VDE



DLA 71

PUMP ALTERNATING RELAY

- alternating relay for 2/3 pumps
- free contact control
- 2 SPST relays
- power supply: 24/230 VAC
- width: 35.5 mm
- approvals: CE, UL, CSA



DIA, DIB, DIC

MONITORING RELAYS

- 1-ph. of V, A, cosφ, W, Hz, T
- 3-phase seq. and loss
- adjustment: front trimmers
- SPDT or DPDT relay output
- power supply: 24VDC, 24-230VAC
- direct input or via CT
- approvals: CE-UL-CSA



LDM, UDM

DIGITAL PANEL METERS

- panel mounting
- dimensions: 48x96mm
- power supply: 90 to 260V AC/DC [H]
- 18 to 60V AC/DC [L]
- input: V, A, Hz, Temp.
- 3 1/2 - 4 digit display
- up to 4 SPDT relay outputs
- approvals: CE-UL-CSA



G38 ...

FIELDBUS

- transmission distance: up to 10 km
- power supply: 10-30VDC, 24/240VAC
- digital/analogic input and output
- interface: PLC/PC/ RTU via RS232/RS485
- approvals: CE

OUR SALES NETWORK IN EUROPE

AUSTRIA - Carlo Gavazzi GmbH
Ketzergrasse 374, A-1230 Wien
Tel: +43 1 888 4112
Fax: +43 1 889 10 53
office@carlogavazzi.at

BELGIUM - Carlo Gavazzi NV/SA
Schaarbeeklei 213/3, B-1800 Vilvoorde
Tel: +32 2 257 4120
Fax: +32 2 257 41 25
sales@carlogavazzi.be

DENMARK - Carlo Gavazzi Handel A/S
Over Hadstenvej 42, DK-8370 Hadsten
Tel: +45 89 60 6100
Fax: +45 86 98 15 30
handel@gavazzi.dk

FINLAND - Carlo Gavazzi OY AB
Petaksentie 2-4, FI-00630 Helsinki
Tel: +358 9 756 2000
Fax: +358 9 756 20010
myynti@carlogavazzi.fi

FRANCE - Carlo Gavazzi Sarl
Zac de Paris Nord II, 69, rue de la Belle
Etoile, F-95956 Roissy CDG Cedex
Tel: +33 1 49 38 98 60
Fax: +33 1 48 63 27 43
french.team@carlogavazzi.fr

GERMANY - Carlo Gavazzi GmbH
Rudolf-Diesel-Strasse 23,
D-64331 Weiterstadt
Tel: +49 6151 81000
Fax: +49 6151 81 00 40
kontakt@carlogavazzi.de

GREAT BRITAIN - Carlo Gavazzi UK Ltd
7 Springlakes Industrial Estate,
Deadbrook Lane, Hants GU12 4UH,
GB-Aldershot
Tel: +44 1 252 339600
Fax: +44 1 252 326 799
sales@carlogavazzi.co.uk

ITALY - Carlo Gavazzi SpA
Via Milano 13, I-20020 Lainate
Tel: +39 02 931 761
Fax: +39 02 931 763 01
info@gavazziacbu.it

NETHERLANDS - Carlo Gavazzi BV
Wijkermeerweg 23,
NL-1948 NT Beverwijk
Tel: +31 251 22 9345
Fax: +31 251 22 60 55
info@carlogavazzi.nl

NORWAY - Carlo Gavazzi AS
Melkeveien 13, N-3919 Porsgrunn
Tel: +47 35 93 0800
Fax: +47 35 93 08 01
gavazzi@carlogavazzi.no

PORTUGAL - Carlo Gavazzi Lda
Rua dos Jerónimos 38-B,
P-1400-212 Lisboa
Tel: +351 21 361 7060
Fax: +351 21 362 13 73
carlogavazzi@carlogavazzi.pt

SPAIN - Carlo Gavazzi SA
Avda. Iparraguirre, 80-82,
E-48940 Leioa (Bizkaia)
Tel: +34 94 480 4037
Fax: +34 94 480 10 61
gavazzi@carlogavazzi-sa.es

SWEDEN - Carlo Gavazzi AB
Nattvindsgatan 1, S-65221 Karlstad
Tel: +46 54 85 1125
Fax: +46 54 85 11 77
gavazzi@carlogavazzi.se

SWITZERLAND - Carlo Gavazzi AG
Verkauf Schweiz/Vente Suisse
Sumpfstrasse 32,
CH-632 Steinhausen
Tel: +41 41 747 4535
Fax: +41 41 740 45 40
verkauf_vente@carlogavazzi.ch

OUR SALES NETWORK IN NORTH AMERICA

USA - Carlo Gavazzi Inc.
750 Hastings Lane,
USA-Buffalo Grove, IL 60089,
Tel: +1 847 465 6100
Fax: +1 847 465 7373
sales@carlogavazzi.com

CANADA - Carlo Gavazzi Inc.
2660 Meadowvale Boulevard,
CDN-Mississauga Ontario L5N 6M6,
Tel: +1 905 542 0979
Fax: +1 905 542 22 48
gavazzi@carlogavazzi.com

CANADA - Carlo Gavazzi LTEE
3777 Boulevard du Tricentenaire
Montreal, Quebec H1B 5W3
Tel: +1 514 644 2544
Fax: +1 514 644 2808
gavazzi@carlogavazzi.com

OUR SALES NETWORK IN ASIA AND PACIFIC

SINGAPORE - Carlo Gavazzi Automation
Singapore Pte. Ltd.
No. 178 Paya Lebar Road
#04-01/05 409030 Singapore
Tel: +65 67 466 990
Fax: +65 67 461 980

MALAYSIA - Gavazzi Automation
Sdn Bhd.
54, Jalan Rugby 13/30,
Tadisma Business Park Seksyen13
40100 Shah Alam, Selangor
Tel: +60 3 55 121162
Fax: +60 3 55 126098

CHINA - Carlo Gavazzi Automation
(China) Co. Ltd.
No. 1001 Shangbu Middle Road,
Futian, Shenzhen
Tel: +86 755 83699500
Fax: +86 755 83699300

HONG KONG - Carlo Gavazzi
Automation Hong Kong Ltd.
Unit 3 12/F Crown Industrial Bldg.,
106 How Ming St., Kowloon,
Hong Kong
Tel: +852 23041228
Fax: +852 23443689

OUR PRODUCTION SITES

Carlo Gavazzi Industri A/S
Hadsten - **DENMARK**

Carlo Gavazzi Ltd
Zejtun - **MALTA**

Carlo Gavazzi Controls SpA
Controls Division
Belluno - **ITALY**

Carlo Gavazzi Controls SpA
Sensors Division
Castel Maggiore (BO) - **ITALY**

Uab Carlo Gavazzi Industri Kaunas
Kaunas - **LITHUANIA**

Carlo Gavazzi Automation
(Kunshan) Co., Ltd.
Kunshan - **CHINA**

HEADQUARTERS

Carlo Gavazzi Automation SpA
Via Milano, 13 - I-20020
Lainate (MI) - **ITALY**
Tel: +39 02 931 761
info@gavazzi-automation.com
www.carlogavazzi.com/ac



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Further information on www.carlogavazzi.com/ac

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