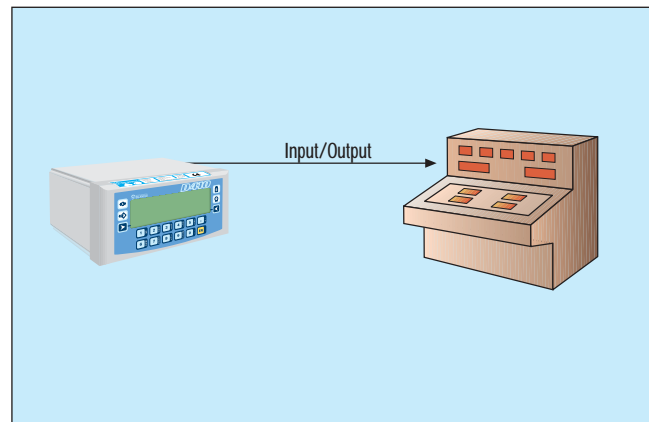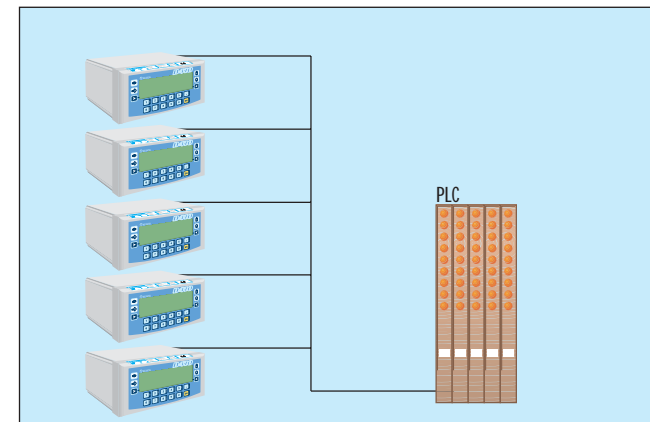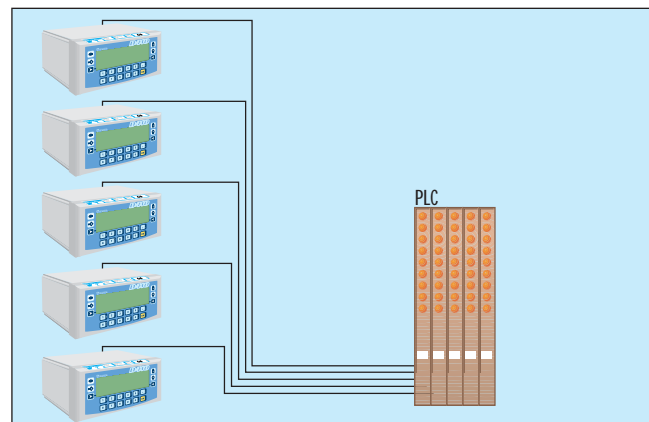## Model **D 410**

Applications

Thanks to the versatility of the D 410 terminal, it can be used in a wide range of applications, satisfying even the most complex production requirements. Some examples are shown in the figures below.
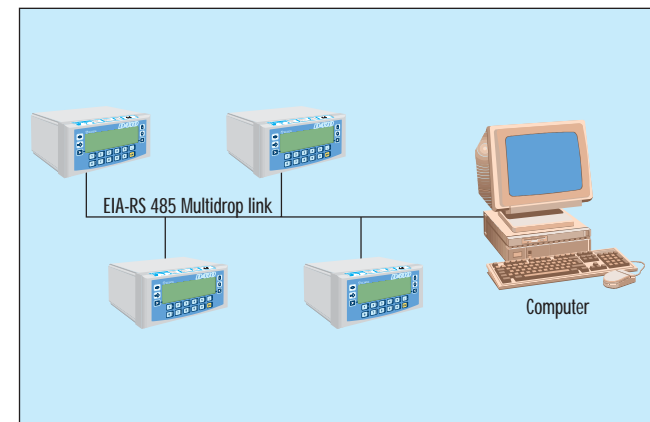

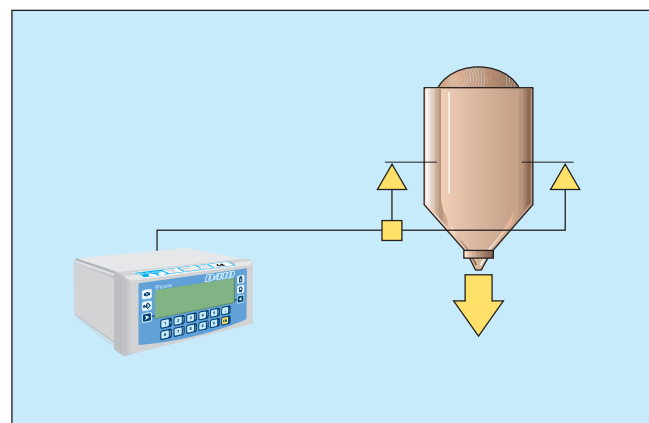
Automation by way of input/output contacts

5 Volt BCD connection (including "Multipoint")

Connection with 0÷10V, 4÷20mA analog output

EIA-RS 485 Multidrop link

Computer

Networked connection

Weighing of hoppers, silos, tanks
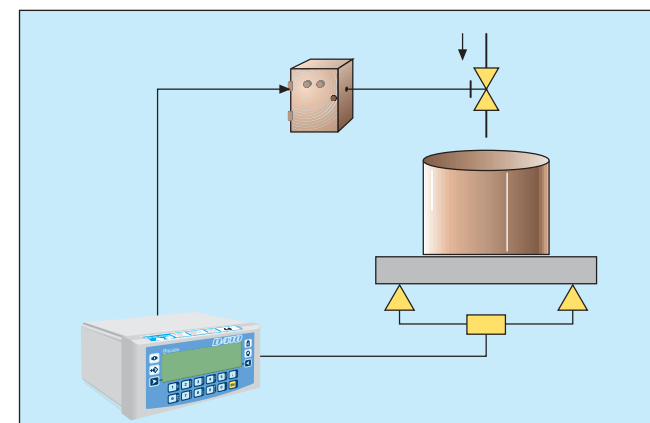
Batch weighing

Equipment not supplied

Model **D 410**
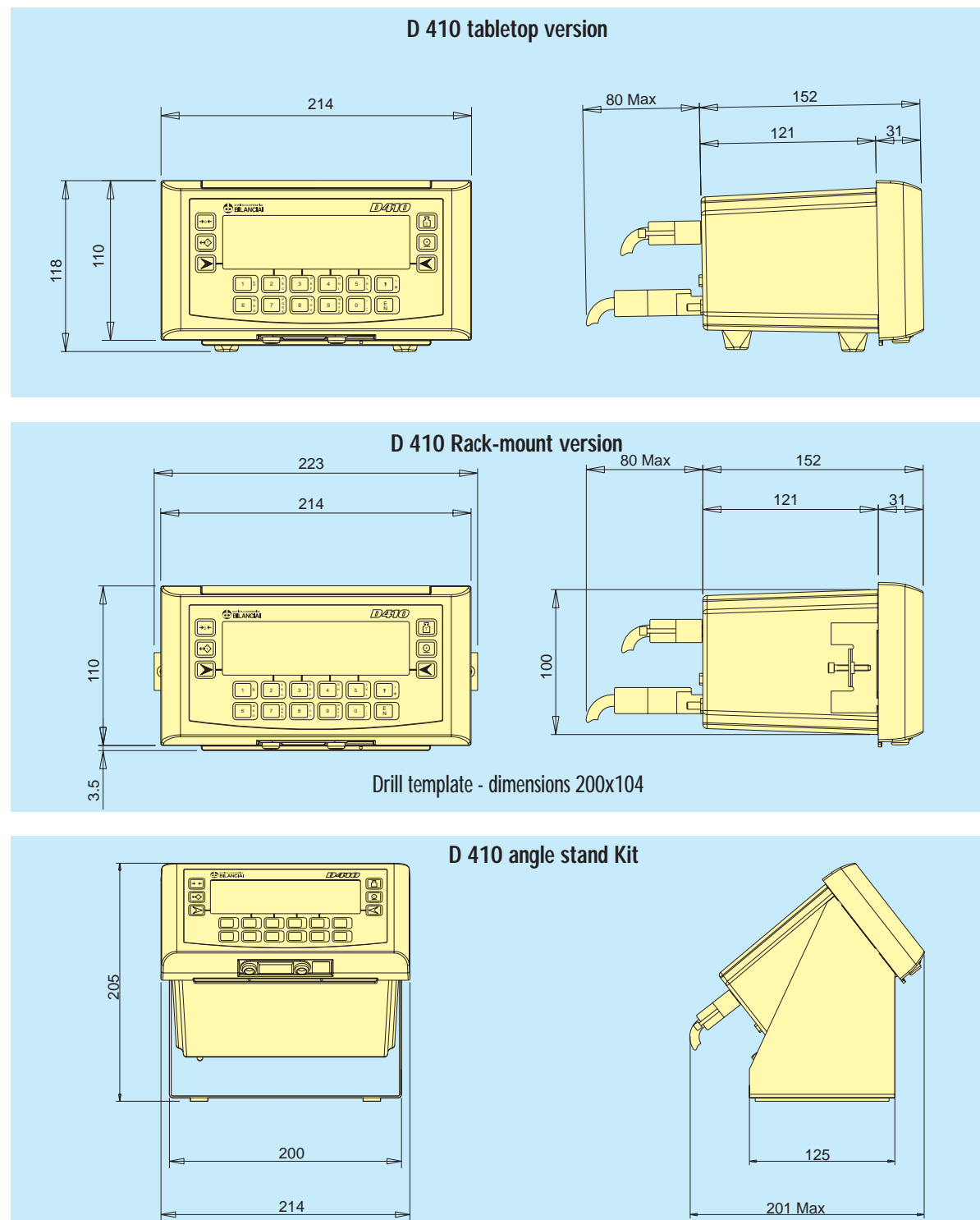
D 410 tabletop version

214 · 118 · 110 · 80 Max · 152 · 121 · 31

D 410 Rack-mount version

223 · 214 · 110 · 3.5 · 80 Max · 152 · 121 · 31 · 100

Drill template - dimensions 200x104

D 410 angle stand Kit

205 · 200 · 214 · 125 · 201 Max

Dialogica series Terminal

model **D 410**

General specifications

■ The new Dialogica series of terminals reflects the outcome of advanced and constant research, and of the considerable know-how acquired by Coop Bilanciai in the weighing sector.
Innovative terminals, designed to satisfy the new requirements of a market in constant evolution.
The D 410 electronic terminal ensures maximum ease of dialogue with the operator, thanks to an alphanumeric keypad and a backlit graphic display which is extremely simple to use and offers the facility of changing the shape and size of characters to suit different operating conditions.
With a generous number of functions, and possibilities for expansion, the instrument affords extensive scope for interfacing with PLCs, PCs, printers and automation systems.
Rack-mounting and tabletop versions are available, both presenting similarly compact dimensions.
The product bears the EC mark in accordance with EEC directive 90/384, and is connectable to any type of load cell. Monoscale and multirange versions are available.

Technical data

■ Power supply: 85 ÷ 265 Vac, 50/60 Hz, 40W
• Operating temperature: -10°C to +40°C
• Storage temperature: -20°C to +70°C
• Analog load cell power supply: 10Vdc; min. 29 ohm
• Maximum voltage at cell input: 23mV
• 6-wire cell connection with sense lines
• Maximum external resolution: 10.000 div. OIML (for "legal" use)
                           60.000 div. (not for "legal" use)
• Maximum read rate: 100 conversions/s
• Analog filter 8Hz; automatically variable digital filter
• Transmission speed programmable up to 115.200 baud
• Automatic recognition of set options
• Calibration with facility of "linearisation" function (max 5 points)
• Permanent clock and calendar
• Backlit graphic display, dimensions 135x32 mm
• 18-key alphanumeric polyester keypad
• Front panel protection category: IP65
• Relative humidity: max 85% non-condensing

Customizable display

Language selection for messages

• In compliance with EC Directive 73/23 (Low voltage)
• In compliance with EC Directive 89/336 (Electromagnetic Compatibility)
• Electromagnetic immunity to EN 45501
• Immunity to irradiated electromagnetic field < 10 V/m

Standard equipment

■ 1 x EIA RS 232 serial port
• 1 x EIA RS 232/422/485 serial port (selectable)
• 1 x analog output 0-10V/4-20 mA (with negative weight calculation)
• 2 x optoisolated input
• 2 x relay output max 110V, 200mA

Operating features (basic version)

■ Weight display with variable height numerals (16-32 mm)
• Language selection for messages (6 languages)
• Weighing system self-test
• "Auto tare" function with key, serial channel or associated input
• "Preset tare" function, by way of keypad
• Resetting by means of key, serial channel or associated input
• Transmission of weight value and accessory data
• Personalization of most frequently used functions by direct access via keypad
• Association of most frequently used functions with I/O and serial channels
• Facility of selection with preset range (Min÷Max)
• Weighing in load/unload batch mode and "weight loss" mode
• Sum weighing
• Product code management with associated alphanumeric description (max 20 digits)
• Generic alphanumeric code management
• Multiple tare management
• Facility of totals linked to code or selected function
• Connection to all models of printers supplied by Coop Bilanciai

Weight display with variable height numerals (16 to 32 mm)

Graphic display: operation with preset range

Optionals

■ MPP permanent weight memory
• 2 x expansion slot for:
  - 4 IN./4 OUT. card
  - EIA RS 232/422 (selectable) serial interface card
  - 24V BCD card
  - 5V TTL BCD card
  - 5V TTL BCD card (multipoint connections)
  - (2 cards of the same type can also operate together)
• 12V power supply
• "Angle stand" kit