

Life Is On

**Schneider**  
Electric

GREENER AND SMARTER

Sustainability  
has never been  
so easy combining  
digitization  
and efficiency

# Modicon M1730

The powerful PLC  
for compact machines



Suitable for Heat Pumps, Heat Recovery Units,  
Process and Industrial Chillers,  
Air Handling Units, Pumping and more

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# Modicon TM1730

The powerful PLC  
for compact machines



Sustainable  
performance,  
by design



## Low-GWP gas ready

Conform to EN/IEC 60335-2-40 related to A3  
refrigerants, such as R290  
Suitable for A2L

## Small dimensions

4-DIN module  
in three versions

## Green Premium product

Sustainable performance, by Design  
Compliance with environmental regulations

**1MB** to support simple and  
complex programs

## Less is more

Insulation everywhere simplifying  
machine wiring diagram and  
reducing the number of components

## Adaptive

One unit for super compact machines;  
for bigger ones, just add I/O expansions

## Multiple connection capabilities

to the other devices inside the machine  
Modbus RTU client and server,  
CANopen, USB-C, Remote display bus

## Flexible & Configurable

22 I/Os to adapt to different  
machines

**Inputs:** NTC, PT1000, 0...5V,  
0...10V, 4...20mA, voltage free,  
Pulse counter

**Outputs:** Relay, SSR, PWM, 0...10V,  
4...20mA

## Integrated EEVD

Integrated Unipolar Electronic  
Expansion valve driver

## Ready-to-use assets

simplifying programming  
IEC61131 - Many templates,  
libraries, function blocks available

## IoT on deck

Straightforward connection to the Secure  
Interface: cybersecurity IoT module



| Codes       | Description                                                      |
|-------------|------------------------------------------------------------------|
| TM173ODM22R | TM173 optimized, display, 22 I/Os, 24 Vac/dc, 2 x RS485          |
| TM173ODM22S | TM173 optimized, display, 22 I/Os, 24 Vac/dc, 2 x RS485, 2 x SSR |
| TM173OBM22R | TM173 optimized, 22 I/Os, 24 Vac/dc, 2 x RS485                   |



Learn more about our products at  
[www.se.com](http://www.se.com)

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Design: Schneider Electric  
Photos: Schneider Electric

Schneider Electric Industries SAS  
Head Office  
35, rue Joseph Monier - CS 30323  
F-92500 Rueil-Malmaison Cedex France