ACCESS TO, SHARING AND USE OF DATA
PURSUANT TO REGULATION (EU) 2023/2854 (DATA ACT)

This present document sets out the information required in relation to data generated by connected products and/or related services pursuant to the Data Act.

1. DEFINITIONS

For the purposes of this document and of the Data Act, the following definitions shall apply:

- "Data Recipient" means "a natural or legal person acting for purposes related to its trade, business, craft or profession, other than the user of a connected product or related service, to whom the data holder makes data available, and who may be a third party following a request by the user to the data holder or in compliance with a legal obligation under Union law or national legislation adopted in accordance with Union law."

- "User" means "a natural or legal person that owns a connected product, or to whom temporary rights to use such a connected product have been contractually transferred, or that receives a related service."

2. DATA

2.1 CAREL Industries S.p.A. (hereinafter referred to as "CAREL") declares that the data generated by the User through the following **connected products** have the characteristics set out below.

"Parametric" devices:

- Type of data produced: operating data of HVAC/R units, including temperatures, pressures, compressor operating hours, alarm status, light status, and energy data;
- Format of data produced: raw format;
- Estimated volume of data produced:
  Historical data: 96 kB rolling;
  RAM UI/Modbus data: 375 B/s;
- Data storage: data are stored on the device;
- Data generation frequency: data are continuously generated, typically every 300 ms;
- Methods of access, retrieval and deletion:
  Historical data are available, subject to authentication, through commissioning tools;
  RAM data are available via the user interface or commissioning tools, each associated with a specific user profile (some data are freely accessible);
  Additional data are available via supervision, which can be enabled by parameter with authenticated access;
  The product family is generally equipped with RS-485 communication interfaces and supports the Modbus RTU protocol;
  It can be queried by supervision systems (SCADA, PLC, or IoT gateways) to read real-time parameters, configure operating settings, or receive alarms. Queries are performed through Modbus register read/write operations, with mappings documented in the technical manual;
- Methods of data deletion: via the control unit's user interface or commissioning tool, both requiring authentication of an authorized user.

"Programmable" devices:

- Type of data produced: operating data of HVAC/R units, including temperatures, pressures, compressor operating hours, alarm status, light status, and energy data;
- Format of data produced: raw format;
- Estimated volume of data produced:
  Historical data: 4,096 kB rolling;
  RAM UI/Modbus data: 500 B/s;
- Data storage: data are stored on the device;
- Data generation frequency: data are continuously generated, typically every 300 ms;
- Methods of access, retrieval and deletion:
  Historical data are available, subject to authentication, through commissioning tools;
  RAM data are available via the user interface or commissioning tools, each associated with a specific user profile (some data are freely accessible);
  Additional data are available via supervision, which can be enabled by parameter with authenticated access;
  The product family is generally equipped with RS-485 communication interfaces and supports the Modbus RTU protocol;
  It can be queried by supervision systems (SCADA, PLC, or IoT gateways) to read real-time parameters, configure operating settings, or receive alarms. Queries are performed through Modbus register read/write operations, with mappings documented in the technical manual;
- Methods of data deletion: via the control unit's user interface or commissioning tool, both requiring authentication of an authorized user.

Supervision systems:

- Type of data produced: operating data of a typical plant, including temperatures, pressures, compressor operating hours, alarm status, light status, and energy consumption;
- Format of data produced: data are stored in a PostgreSQL database;
- Estimated volume of data produced: approximately 3,500 variables are stored, with a maximum historical depth of two years;
- Data storage: data are stored on the device;
- Data generation frequency: data are continuously and in real time generated;
- Methods of access, retrieval and deletion: access to the supervisory system is granted through single-factor authentication (username and password).

2.2 CAREL declares that the data generated by the User through the following **related services** have the characteristics set out below.

Cloud Service:

- Type of data produced: operating data from multiple plants, by way of example including temperatures, pressures, compressor operating hours, alarm status, light status, and energy consumption;
- Estimated volume of data collected: the volume of data collected cannot be determined in advance, as each customer configures their installation with the desired level of complexity and number of connected devices;
- Current scope of data collection: the system currently aggregates approximately 2,040,000 distinct variables per day, with variable frequency;
- User access methods: the User may access such data through trend charts, through on-demand data export (subject to limitations in the number of variables and data depth), or through APIs at the TENANT level;

- Maximum historical depth: up to two years.

<u>Analytics Service</u>

- Pursuant to the contractual arrangements, the use of aggregated data is envisaged for the purpose of developing analyses and machine learning models aimed at improving efficiency for the benefit of the customer and/or third-party customers.

3. DATA ACCESS

The User may access the data through the following alternative methods:
a) directly, by means of the tools made available by CAREL and described in this document;
b) upon request, if the User is unable to use the tools and/or to retrieve the data directly, by sending a communication to the following e-mail address: *carel@carel.com*

It is also possible to contact the above-mentioned e-mail address to request access to data relating to cloud services.

CAREL undertakes to provide a prompt response to the User.

The User acknowledges that, without prejudice to the foregoing, CAREL may refuse, in whole or in part, the transfer of data if it considers that such transfer may result in a breach of data protection legislation (Regulation (EU) 2016/679) or where CAREL identifies a risk of disclosing trade secrets. In such cases, CAREL shall duly justify its refusal to the User and shall cooperate, where possible, with a view to reaching an appropriate solution.