# Factory parameter Alkon 50/70/90 NEW
# PCB 00630169

**Factory parameters - FA**

| Symbol | u. m. | ALKON 50 | ALKON 70 | ALKON 90 | |
|---|---|---|---|---|---|
| | | | | | **Description** |
| **St** | | 3 | 3 | 3 | Application code: modular/burners array/boilers array/single boiler |
| **rP** | | 250 | 250 | 250 | Water Δ-temperature protection: disabled / maximum Δ-temperature |
| **LG** | | 0 | 0 | 0 | Low gas pressure protection |
| **PS** | | 1 | 1 | 1 | Low water pressure sensor |
| **FS** | | 0 | 0 | 0 | Water minimum flow-rate protection: none / Sensorlogic pump / flow-switch |
| **bC** | kW | 50 | 70 | 90 | Burner maximum capacity |
| **FP** | | 2 | 2 | 2 | Fan speed control: proportional gain |
| **FI** | | 2 | 2 | 2 | Fan speed control: integrative gain |
| **Fr** | | 5200 | 5200 | 4000 | Fan speed slope |
| **Fb** | % | 5 | 5 | 5 | Fan PWM modulation at maximum fan speed |
| **Pu** | | 2 | 2 | 2 | Fan tacho: pulse/revolution |
| **Sb** | % | 0 | 0 | 0 | Fan modulation level at burner standby |
| **Fu** | Hz | 100 | 120 | 108 (100) | Absolute maximum fan speed(LPG) |
| **FH** | ‰ | 950 (920) | 900 (810) | 900 (900) | Maximum relative fan speed (LPG) |
| **FL** | ‰ | 260 (240) | 200 (200) | 260 (260) | Minimum relative fan speed (LPG) |
| **dt** | | 7 | 7 | 7 | Storage tank regulation gain. |
| **tH** | | 0 | 0 | 0 | Storage tank hysteresis: automatic, 1÷30 °C |
| **HP** | | 25 | 25 | 25 | Temperature control: proportional gain |
| **HI** | | 12 | 12 | 12 | Temperature control: integrative gain |
| **Hd** | | 0 | 0 | 0 | Temperature control: derivative gain |
| **Hy** | °C | 50 | 50 | 50 | Burner OFF hysteresis |
| **HS** | °C/min | 10 | 10 | 10 | Temperature control: slope limit |
| **AS** | | 0 | 0 | 0 | Burner air-flow check |
| **Co** | | 1 | 0 | 0 | Chimney obstruction check |
| **tu** | | 0 | 0 | 0 | Temperature unit: °C / °F |

**Service parameters - SE**

| | | 50 | 70 | 90 | |
|---|---|---|---|---|---|
| **IG** | % | 400 (450) | 500 (500) | 450 (350) | Fan modulation level at burner pre-purge and ignition (LPG) |
| **Po** | min | 5 | 5 | 5 | Pump overrun time or permanent operation |
| **dP** | Sec | 30 | 30 | 30 | Pump overrun time after DHW operation |
| **CP** | | 0 | 0 | 0 | Pump output functionality:<br>0:boiler collector pump<br>1: CH pump |
| **Pr** | | 100 | 100 | 100 | Capacity to flow-rate ratio |
| **PL** | % | 40 | 40 | 40 | Pump minimum modulation level |
| | | 1 | 1 | 1 | Services enable flags |
| **dr** | | 0 | 0 | 0 | Enable the DHW mode support |
| **HL** | °C | 300 | 300 | 300 | Minimum value of the CH setpoint adjustment |
| **HH** | °C | 850 | 850 | 850 | Maximum value of the CH setpoint adjustment |
| **dL** | °C | 400 | 400 | 400 | Minimum value of the DHW setpoint adjustment |
| **dH** | °C | 600 | 600 | 600 | Maximum value of the DHW setpoint adjustment |

**Maintenance parameters**

| | | 50 | 70 | 90 | |
|---|---|---|---|---|---|
| **FC** | | 3 | 3 | 3 | Installation loading factor |