Paloma

Main Unit Controller

Set Temperatures Up To 140 or 180 Degrees

The Main Controller (UMC-117), also known as the Kitchen Controller in residential models, lets you set temperatures in 2-degree intervals between 100 and 120 degrees F. Temperature settings can be changed with a simple push of a button to new settings at any time, even while the water is running.

With professional adjustment of dipswitches in the unit, you can even go higher on some models. However, Paloma recommends never making this adjustment unless you have a specific requirement for doing so – hot water causes serious scalding!

Recommended Installation Locations

Controllers can be located up to 195 feet from the unit. The Main Controller should be installed in the:

- Kitchen
- Laundry Room
- Near the Paloma unit
- Never Outdoors

Bath & Shower Controller

Scald Prevention With A Simple Push of A Button

Bath Controllers (USC1-117 and USC2-117) are designed for safe hot water use in the bathroom. Whenever it's turned on, the Bath Controller takes temperature-setting priority from the Main Controller.

When first turned on, the Bath Controller returns to its previous setting – whatever you decide is appropriate for a comfortable bath, but never above 120 degrees F (even if you have set the Main Controller for higher temperatures).

Just The Right Temperature Every Time

The Paloma Bath Controller is the key to the perfect shower every time. Teach your children to always turn on the Bath Controller for their shower, and it becomes the key to safe showering, too.

Recommended Installation Locations

A total of 3 Controllers, one of each type, can be connected to a Paloma Tankless unit or mult-unit system. Bath Controller should be installed in:

- Any bathroom with a bath or shower
- The kids' bathroom and shower

For more information, visit www.palomatankless.com

Paloma

MIC-180 Multi-Unit Controller

- Control 2-to-6 unit Paloma Tankless systems
- Add MICS-180 extened communication board for 7-to-20 unit systems
- Entire system temperature controlled by a single Main Unit Controller (UMC-117)
- Increases system life by rotating order of ignition and distributing load
- MIC-180 comes in durable, weatherproof installation box

Controlling Large Systems

A large system of Palomas can be electronically controlled with the MIC-180 Multi-Unit Controller. For systems of 7 to 20 units, the MIC-180 Controller needs an extended communication board, the MICS-180, which can be fit inside the MIC-180 installation box.

The MIC-180 Controller is linked to each Paloma with a separate communication cable. Temperatures are set for the entire system by a single Main Controller (UMC-117), which is linked directly to the MIC-180. The Main Controller will also display diagnostic codes for each unit in the system.

System Sizing for Applications

A 28c Series, MIC-180 Manifold controlled multi-unit system can produce up to 5,235 gallons per hour at a 77-degree rise. A properly sized 28c System is built to meet Peak Demand, just like a home system, in extreme winter conditions.

28c Sizing Reference Table

	Peak Output (GPM)		
Units in System	45 degree F rise	70 degree F rise	100 degree F rise
1	7.4	4.8	3.4
2	14.8	9.6	6.8
3	22.2	14.4	10.2
4	29.6	19.2	13.6
5	37.0	24.0	17.0
6	44.4	28.8	20.4
7	51.8	33.6	23.8
8	59.2	38.4	27.2
9	66.6	43.2	30.6
10	74.0	48.0	34.0
11	81.4	52.8	37.4
12	88.8	57.6	40.8
13	96.2	62.4	44.2
14	103.6	67.2	47.6
15	111.0	72.0	51.0
16	118.4	76.8	54.4
17	125.8	81.6	57.8
18	133.2	86.4	61.2
19	140.6	91.2	64.6
20	148.0	96.0	68.0

For more information, visit www.palomatankless.com