

AUTOMATIC BLADE / HEAD ADJUSTMENT WITH THERMAL ACTUATOR

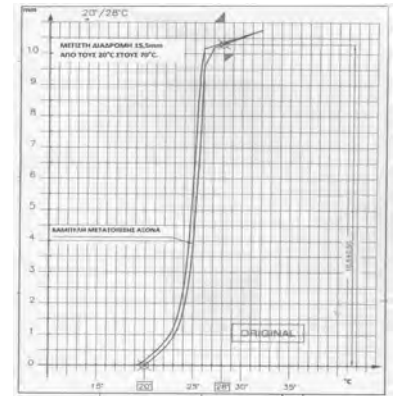
When the supply air temperature changes from cooling to heating or vice versa we have to change the blades/head adjustment of the grille or diffuser in order to keep the thermal comfort in sufficient level and to avoid draughts. From our experience we now that in many cases this never happen even if the grilles/diffusers are equipped with electric actuator. For this reason AERGRAMMI designed and produce grilles and diffusers where are auto adjusted and they don't need human intervention.

The automatic adjustment of the blades/head angle is succeeded with a thermal actuator which according to the supply air temperature moves an axis. This movement is very intensive between 20-28°C, and outside this temperature area the movement is very small.

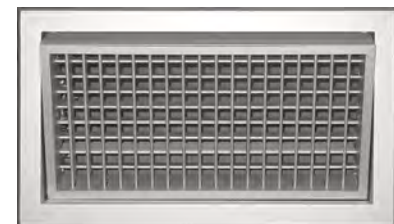
Usually the supply air temperature in cooling is below 20°C and in heating is over 28°C. We can use this phenomenon with a proper motion transmission mechanism to adjust the blades/head angle in the preselected position of cooling or heating.

The installation of the automatic blade/head angle adjustment mechanism is possible in the types GR, MLD, MLD-DW, S, AMB, AMB-AP-Φ42, OK1/2, T1P and T2P. The installation of the automatic adjustment mechanism has limitations so before your order please advice the products brochures or the engineers of our company.

The advantages of this method are that the installation of the grille/diffuser is like a simple one, after the installation there is no need of any adjustment or service and in comparison with the grilles/diffusers with electric actuator the cost is smaller. Also you avoid the labor and materials cost of the electric installation.



T1P-AUTH



T2P-AUTH



OK2-AUTH



AMB-AP-φ42-6X2-AUTH



S3-AUTH



MLD-8P-AUTH



GR-RR-AUTH



AMB-KOAUTH



MLD-DW-AUTH