

UMBRA®

BUILDING AUTOMATION

A guide on the questions to ask...



Questions	Free-type answers
<p><u>1 - Basic project information</u></p> <ul style="list-style-type: none"> ▪ Scale of project, i.e. are we talking 30 storey tower or 6 bedroom house? (qty of blinds required) ▪ Timescales – when is the project due to complete? So we know possibilities from wiring perspective. ▪ Has any wiring been installed already if the project is a little way on? ▪ No. of areas & floors – how are the blinds split up? ▪ What size blinds – may have effect on what motor is used 	
<p><u>2 - How do they want to control the blinds?</u></p> <p>Option 1 – connecting to the main BMS</p> <ul style="list-style-type: none"> ▪ what is the BMS system? ▪ How are we connecting to it, via what protocol – RS485/KNX etc ▪ Do they definitely have the 'logic' in their system to control the blinds element? (set algorithms etc) ▪ Are scenes being done? (i.e. Scene 1 = blinds to 50%, lights to 35% & air con to 21 degrees) ▪ How automated are we going, i.e. sun sensors / timers? ▪ Intermediate stops required? ▪ Do they want the end users to have remotes/switches? ▪ Is home exit required where all blinds close on exit? Applicable to apartments <p>Option 2 – stand alone blinds system</p> <ul style="list-style-type: none"> ▪ How intelligent a solution do they want/require? i.e. sun sensors / timers? ▪ Intermediate stops required? ▪ Is any connection back to the main system required? i.e. override for all blinds to close/open ▪ Do they want the end users to have remotes/switches? ▪ Is home exit required where all blinds close on exit? Applicable to apartments 	
<p><u>3 - Things to think about</u></p> <ul style="list-style-type: none"> ▪ Is alignment of hem bars important? (not available unless it's intelligent motors) ▪ How important is motor noise? (maybe don't ask the question but project type may determine this) ▪ What type of motors – Hardwired dumb, Radio, SMI/intelligent, Lutron? Based on all the above info. ▪ Relays/interfaces – what type and how many ▪ Switches/remotes – what type and how many ▪ Commissioning costs allowance 	
<p><u>4 - How are we going to wire it?</u></p> <ul style="list-style-type: none"> ▪ Layout decided? ▪ in parallel or individually? ▪ Relays or interfaces ▪ Thickness of cabling used ▪ What size fuse spurs to they require? ▪ Where are the relays/interfaces being located – so we know distances and can apply limits. Particularly Low Voltage has short distance limits. ▪ If switches are being used locally, how do we wire them? 	